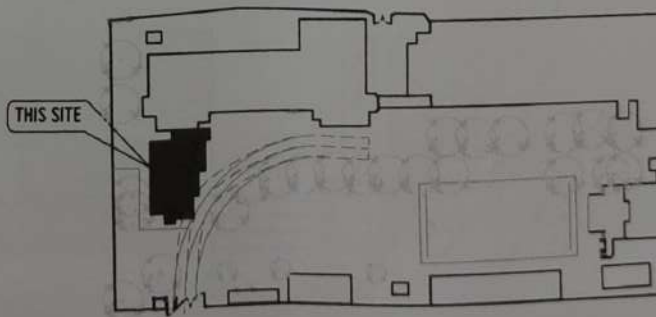




PERSPECTIVES
NOT TO SCALE



VICINITY MAP
NOT TO SCALE



LOCATION MAP
NOT TO SCALE

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- VICINITY MAP
- LOCATION MAP
- A2 SITE DEVELOPMENT PLAN
- A3 GROUND FLOOR PLAN
- A4 SECOND FLOOR PLAN
- A5 ROOF PLAN
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- A8 LEFT ELEVATION
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REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

LINE AND GRADE

GEODETIC

ARCHITECTURAL

CIVIL

STRUCTURAL

ELECTRICAL

MECHANICAL

ELECTRONICS

PLUMBING/SANITARY

FIRE PROTECTION
FPI FIRE PROTECTION LAYOUT
FIRE ALARM SYSTEM RISER DIAGRAM
SYMBOLS/LEGENDS, GENERAL NOTES

NORTH



A1



REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
CAGAYAN DE ORO CAMPUS
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT
1.A. ROTRA VILLAGE, JAPARAN, CAGAYAN DE ORO CITY 9000
TELEPHONE: 8 (8082) 77-88-11 / 77-8888-8888 / 77-8888-1111
FAX: 7781 / 7711 / 7711 / 7711 / 7711 / 7711 / 7711 / 7711
WEBSITE: www.ustip.edu.ph

AR. FERDINAND A. DUMPA
REGISTERED ARCHITECT
PRC NO. 00133255
PLATE NO. 0016753-A
DATE: 02-28-2021
TIN: 185-091-837

PROJECT
OWNER
LOCATION

PROPOSED INTEGRATED TECHNOLOGY BUILDING
USTIP JASAM CAMPUS, MISAPAS, ORIENTAL CAGAYAN DE ORO CITY
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

RECOMMENDING APPROVAL

AR. FERDINAND A. DUMPA

DIRECTOR, MUNICIPAL ENGINEERING OFFICE, CAGAYAN DE ORO CITY

RECOMMENDING APPROVAL

ATTY. ERWIN B. BULTE

VP FOR COMMUNITY AND EXTENSION SERVICES

APPROVED BY

DR. AMBROSIO B. CULTURA II

PROFESSOR, CIVIL ENGINEERING

SHEET CONTENTS:
PERSPECTIVES
LOCATION MAP
VICINITY MAP
TABLE OF CONTENTS

ISSUED BY:
DATE:
SCALE:
REVISED:
PROJECT:

hatch indicates,
concrete pavers
for outdoor
study area

2.00
7.00
5.00
19.00
15.00
12.00
1.00

PERIMETER FENCE

OUTDOOR
STUDY AREA

5.55

CANOPY LINE

BUILDING OUTLINE

EXISTING
ADMINISTRATION
BUILDING
3.72

CANOPY LINE

ROOF LINE

CANOPY LINE

hidden lines
indicates existing
road line

NOTE: PORTION OF
EXISTING ROAD SHALL
BE OCCUPIED BY
PROPOSED ITS, ROAD
SHALL BE EXTENDED
ACCORDINGLY. CHECK
ACTUAL SITE
CONDITIONS.

lines indicate new
road line

NORTH

SITE DEVELOPMENT PLAN
SCALE 1:500 PDS

2.00

8.12
12.56

2.43



REPUBLIC OF THE PHILIPPINES UNIVERSITY OF
SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
CAGAYAN DE ORO CAMPUS
INFRASTRUCTURE PLANNING AND FACILITY
DEVELOPMENT UNIT
C/O. ACTO. BLDG. - AVENUE, CAGAYAN DE ORO CITY 9000
PHILIPPINES | CONTACT: TEL. NO. 08322-1181
FAX: (0832) 101-0000/0001-0004
WWW.USTIP.USTP.PH

AR. FERDINAND A. BOMPA

ARCHITECT

PRC NO. 001-228 | PDR NO. 0012020 A
DATE 02-26-2021
TIN 005-0021-001 PLACE EL SALVADOR CITY

PROJECT

**PROPOSED
INTEGRATED TECHNOLOGY BUILDING**

OWNER

USTP JASAAH CAMPUS, PISAPIA ORIENTAL
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

RECOMMENDING APPROVAL

AR. FERDINAND A. BOMPA

DIRECTOR OF INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT

RECOMMENDING APPROVAL

ATTY. ERWIN B. SOLID

VP FOR ADMINISTRATION & LEGAL AFFAIRS

APPROVED BY:

DR. AMBRONIO CULTURA II

PRESIDENT, USTP SYSTEM

SHEET CONTENT:

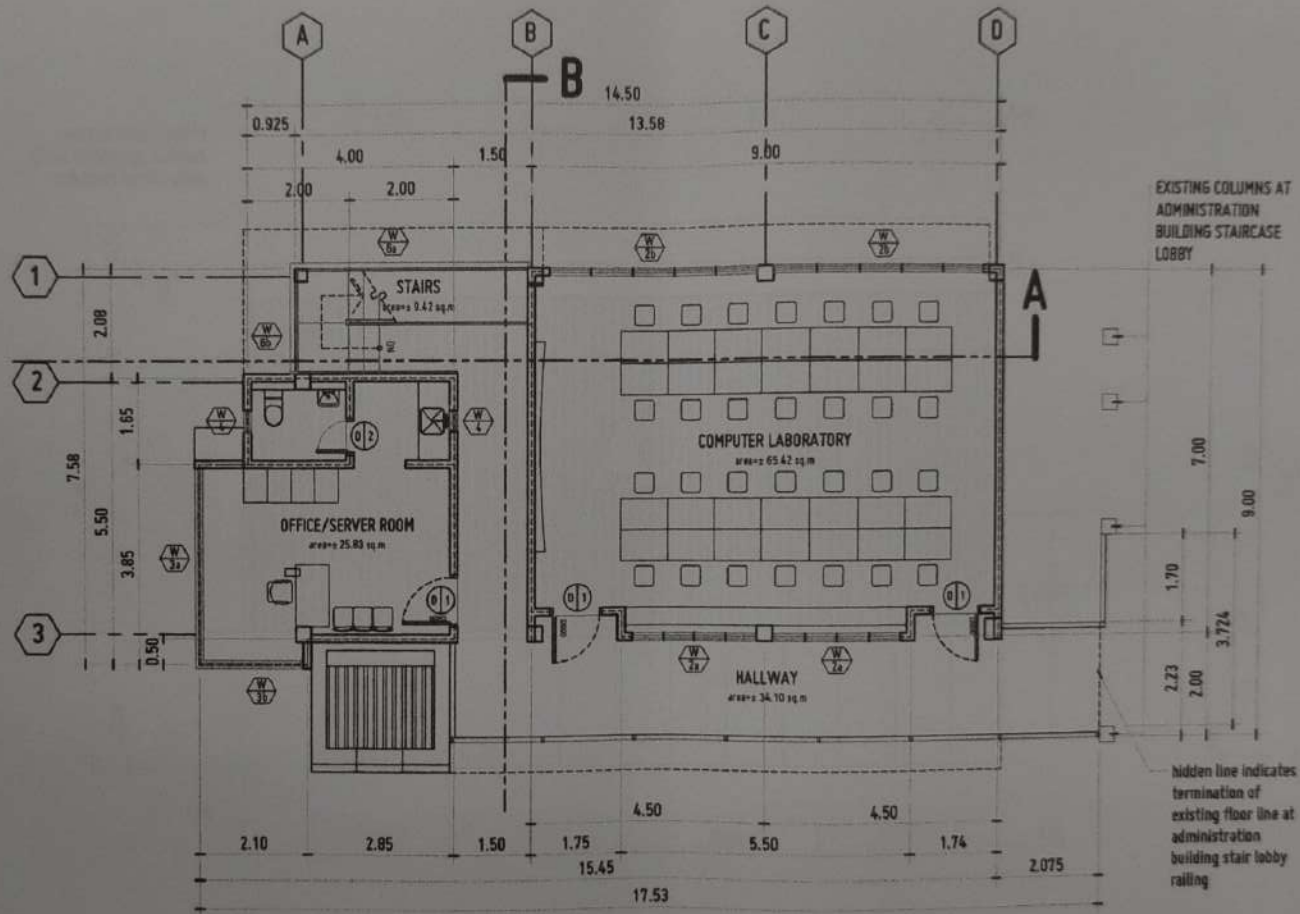
SITE DEVELOPMENT PLAN

DRAWN BY:

JOSP
DATE DRAWN
08.01.2021

CHK:

A2



SECOND FLOOR PLAN
SCALE: 1:100 H/T



UNIVERSITY OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL
CAMPUS DE LOS CAPILES
INFRASTRUCTURE PLANNING AND FACILITY
DEVELOPMENT UNIT
1A, 10TH AVE., LARANG, QUEZON CITY 1105
TEL: (632) 863-1111 FAX: (632) 863-1112
WWW.USTIP.ORG

AR. FERDINANDO DUMPA
ARCHITECT
PROJ. NO. 1001293 A
DATE 02-28-2021
TIN 095-002-937 PLACE EL SALVADOR CITY

PROPOSED INTEGRATED TECHNOLOGY BUILDING
LOCATION: USTP JASAHAN CAMPUS, PIGASAS ORIENTAL
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

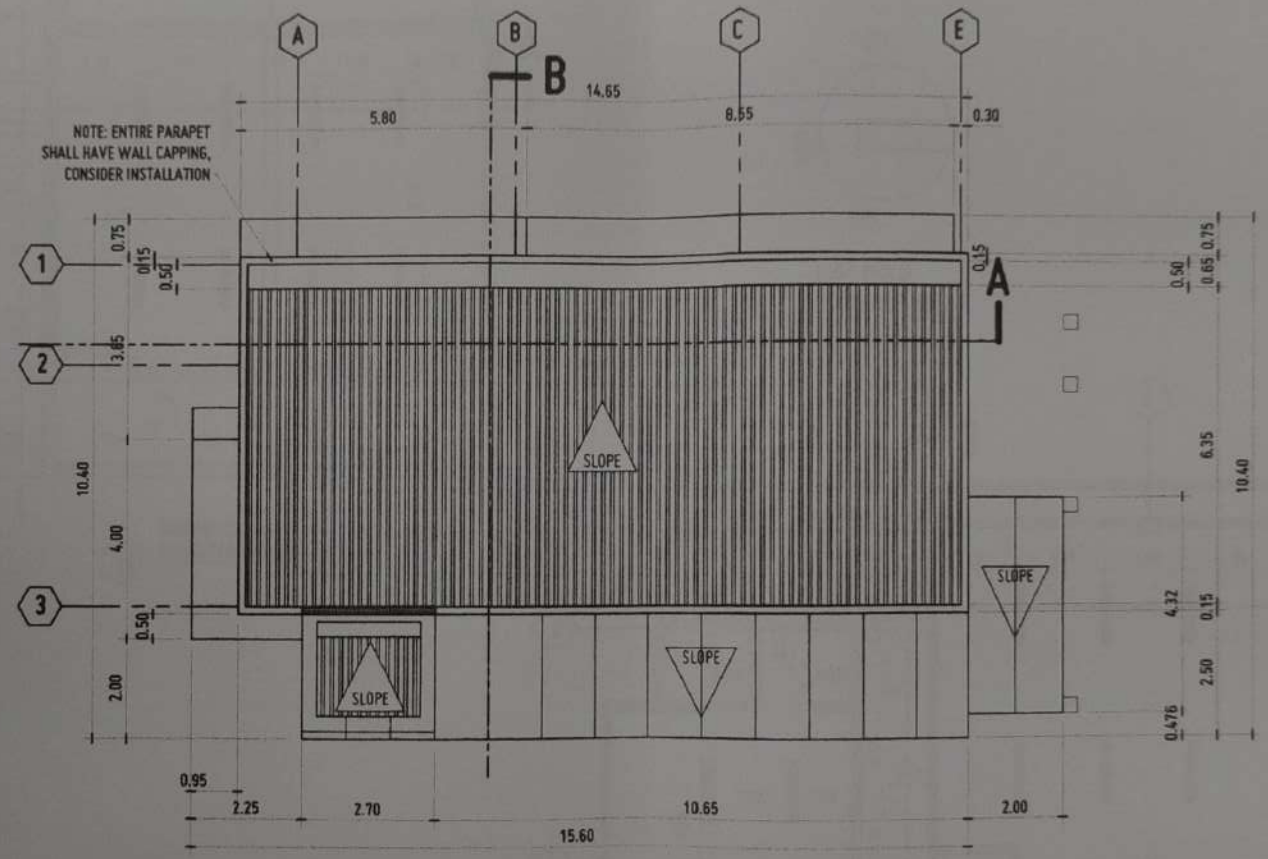
RECOMMENDING APPROVAL:
AR. FERDINANDO DUMPA
DIRECTOR, INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT OFFICE

RECOMMENDING APPROVAL:
ATTY. ERWIN D. BORDO
VP FOR ADMINISTRATION & LEGAL AFFAIRS

APPROVED BY:
DR. AMBROSIO CULTURA II
PRESIDENT, USTP SYSTEM

SHEET CONTENTS:
SECOND FLOOR PLAN
DRAWN BY:
DATE DRAWN:
DATE: 06.01.2021
TIN:

A4



ROOF PLAN
SCALE 1:100 MTS



REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT
C/A, 3RD FLOOR, UNIVERSITY CAMPUS, DAVAO CITY 8000
TEL: (081) 222-1111 / FAX: (081) 222-1111 / 1738 / 1739
WWW.USTIP.USTP.EDU.PH

AR. FERDINAND A. DUMPA
ARCHITECT
PROJECT NO. 013321 PLAN NO. 02/RTS3 A
DATE 02-29-2011 LOCATION DAVAO

PROPOSED INTEGRATED TECHNOLOGY BUILDING
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
SUBJECT: INFRASTRUCTURE PLANNING & FACILITY DEVELOPMENT UNIT

RECOMMENDING APPROVAL
AR. FERDINAND A. DUMPA
REGISTERED ARCHITECT

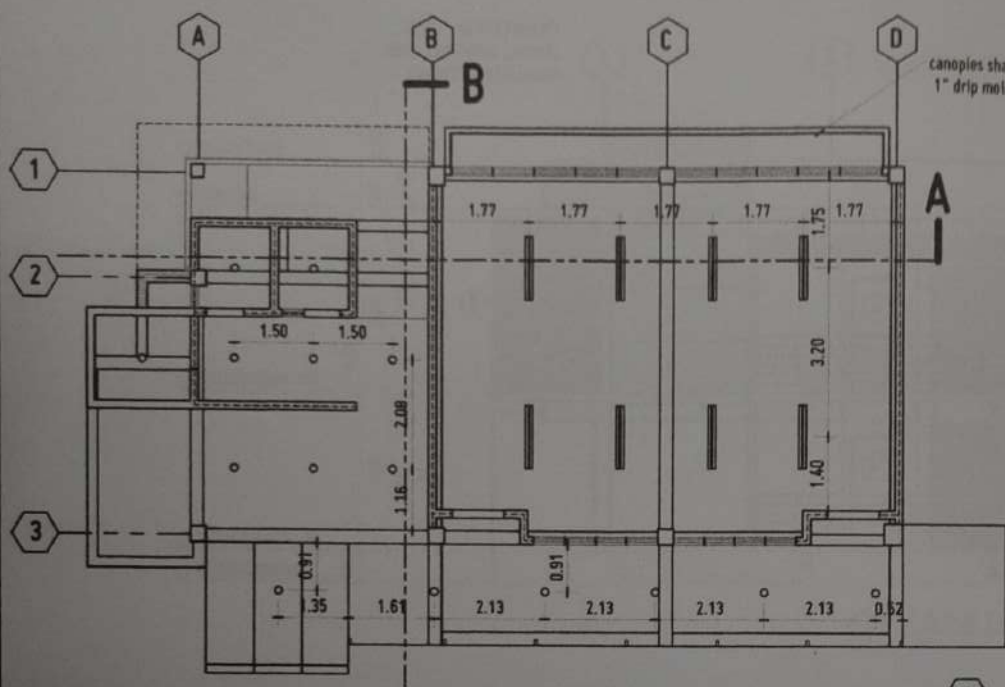
RECOMMENDING APPROVAL
ATTY. ERWIN B. BATA
REGISTERED ARCHITECT

APPROVED BY:
DR. AMBROSIO A. CULTURA II
PRESIDENT, USTP SYSTEM

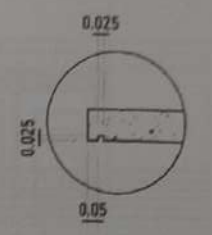
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ROOF PLAN

DESIGNED BY:
JOSP
DATE DRAWN:
08.03.2011
PNO:

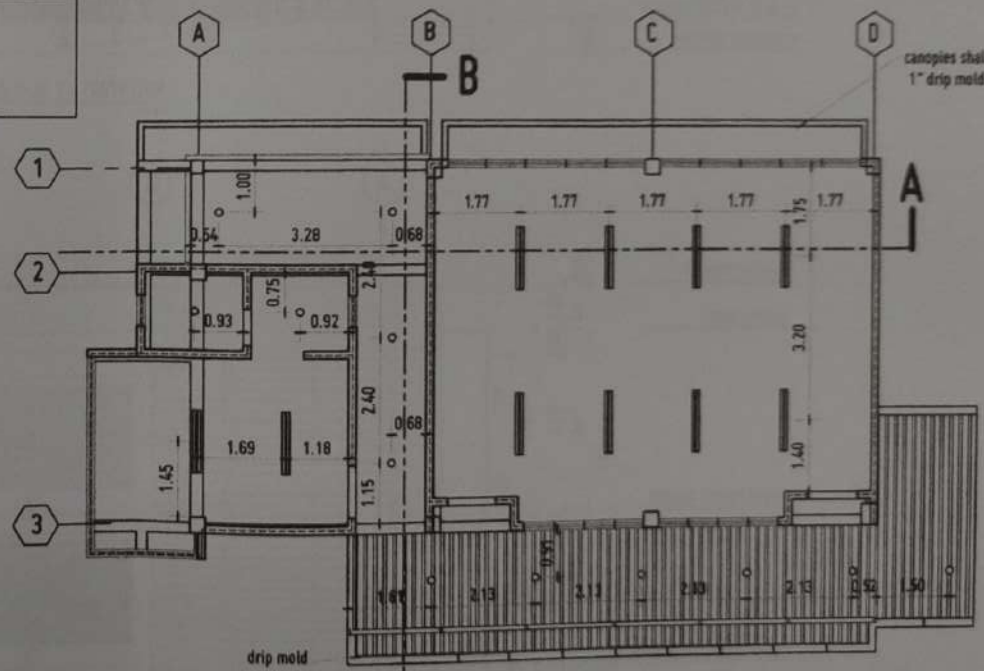
A5



GROUND FLOOR REFLECTED CEILING PLAN
SCALE 1:100 MS



DRIP MOLD BLOW-UP DETAIL



SECOND FLOOR REFLECTED CEILING PLAN
SCALE 1:100 MS



REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT
C.A. VELIZ ST., LARANGAN, DAVAO DEL SUR CITY, DAVAO REGION 11
CONTACT: (81) 226-1000 / 226-1001 / 226-1002 / 226-1003 / 226-1004 / 226-1005 / 226-1006 / 226-1007 / 226-1008 / 226-1009 / 226-1010
WWW.USTIP.UTP.PH

AR. FERDINAND A. DUMPA
AIC # 10101
PRJ. NO. 0011229 FTR. NO. 0020752 A
DATE 02-19-2021
TIN 105-082-107 PLACE EL SALVADOR CITY

PROPOSED INTEGRATED TECHNOLOGY BUILDING
CLIENT: JESAMIN CAMPUS, PANGASINAN
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

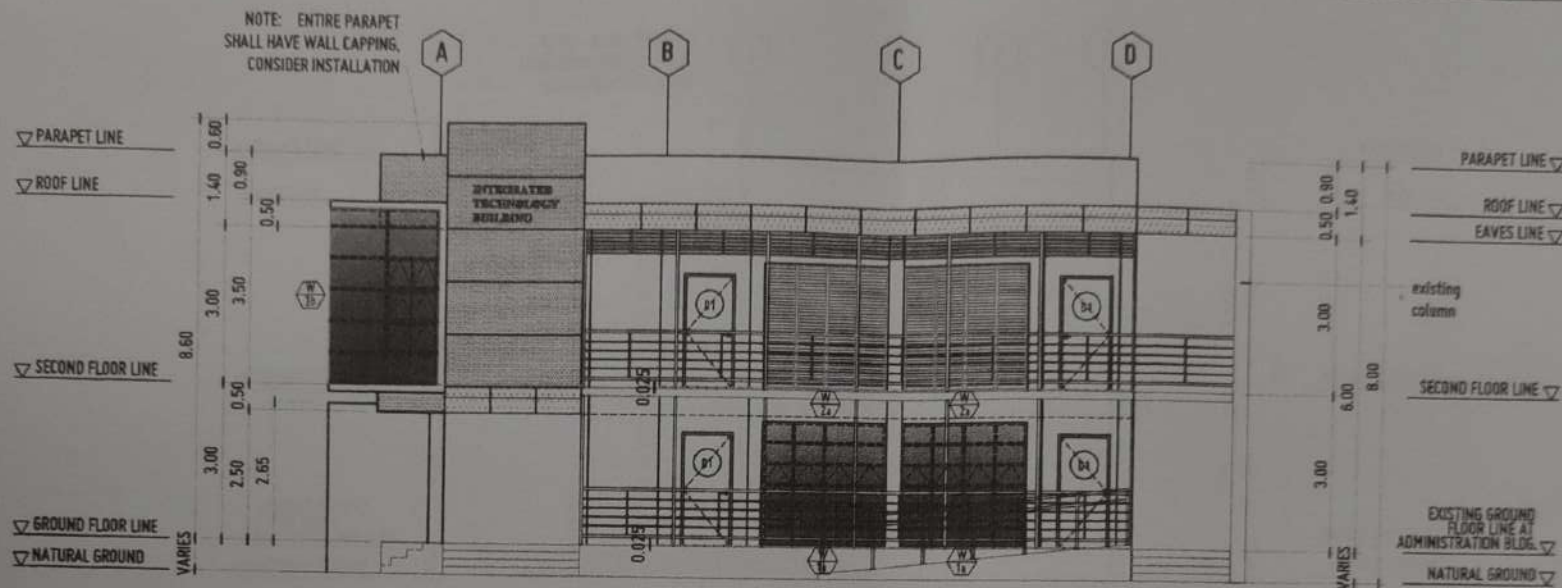
RECOMMENDING APPROVAL
AR. FERDINAND A. DUMPA
DIRECTOR, INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT

RECOMMENDING APPROVAL
ALTY. ERWIN S. BULOS
VP FOR ADMINISTRATION AND OPERATIONS

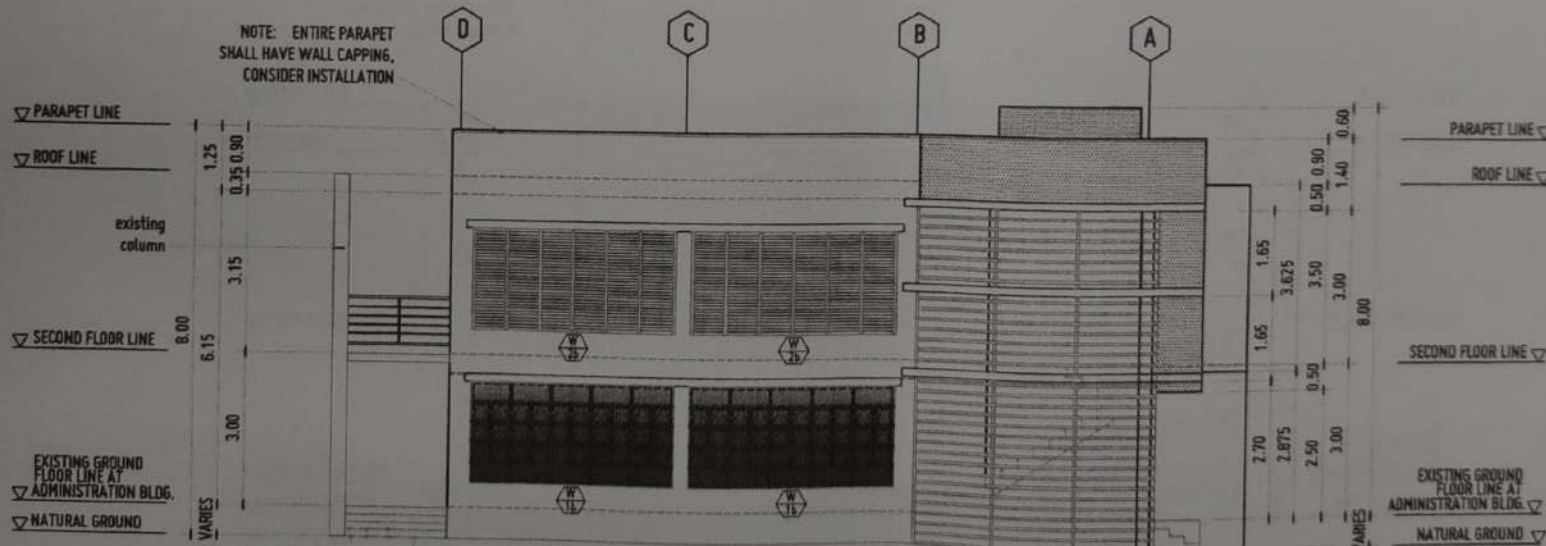
APPROVED BY
DR. AMBROSIO CULTURA II
PRESIDENT, USTIP SYSTEM

SHEET CONTENTS:		DRAWN BY:
GROUND FLOOR REFLECTED CEILING PLAN	JWP	
SECOND FLOOR REFLECTED CEILING PLAN	DATE DRAWING:	
	02.01.2021	
	TIN:	

A6



FRONT ELEVATION
SCALE 1:100 MTS



REAR ELEVATION
SCALE 1:100 MTS



REPUBLIC OF THE PHILIPPINES DEPARTMENT OF
SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
CENTRAL OFFICE OF SCIENTIFIC
INDUSTRIAL PLANNING AND INFRASTRUCTURE
DEVELOPMENT UNIT
100 SOUTH AVE., CANTON UNIVERSITY BUILDING 2ND FLOOR
TELEPHONE: (053) 251-8111 FAX: (053) 251-8117
WWW: WWW.USTP.DED-UP.EDU

AR. FERDINAND DUMPA
ARCHITECT
PNC NO. 1047327 PPR NO. 0018237-A
DATE: 02-26-2021
TIN: 105-092-021 PLACE: EL SALVADOR CITY

PROJECT
PROPOSED INTEGRATED TECHNOLOGY BUILDING
WEST JAGAN CAMPUS, PISAPAS GARCIAL
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

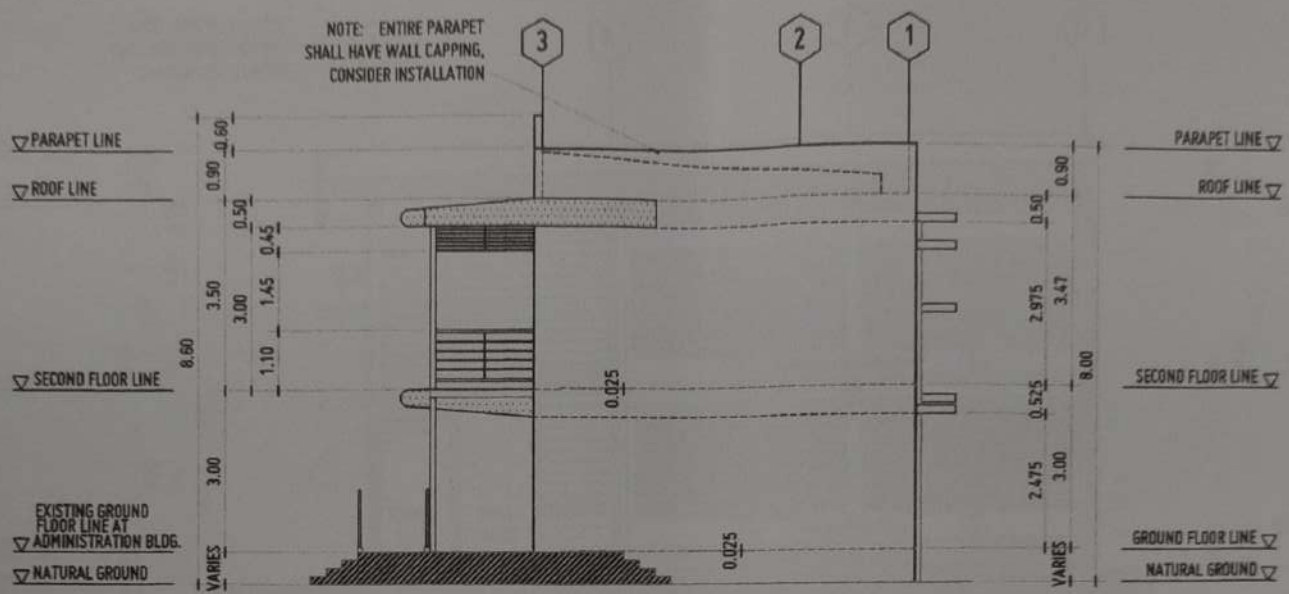
REGULATORY APPROVAL
AR. FERDINAND DUMPA
DIRECTOR OF PLANNING & INFRASTRUCTURE DEVELOPMENT

REGULATORY APPROVAL
ATTY. ERWIN B. BANGS
DIRECTOR OF PLANNING & INFRASTRUCTURE DEVELOPMENT

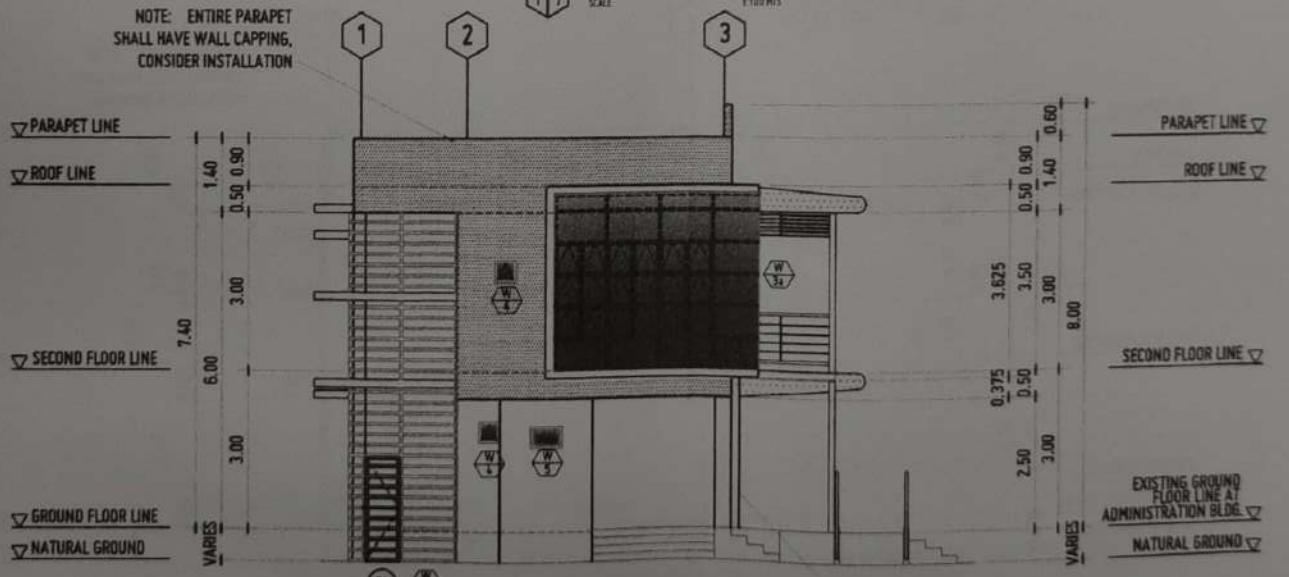
APPROVED BY:
DR. AMBROSIO CULTURA II
PRESIDENT, USTP

SHEET CONTENTS:
FRONT ELEVATION
REAR ELEVATION
DESIGN BY:
JOSP
DATE DRAWN:
08.01.2021
PN:

A7



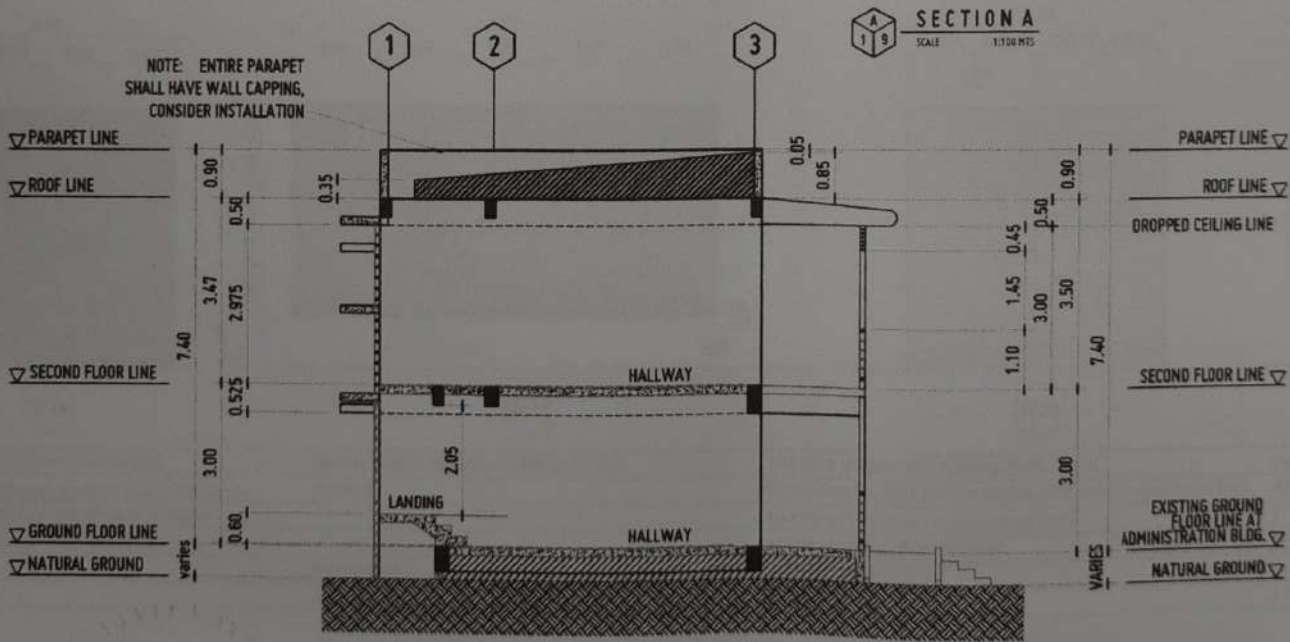
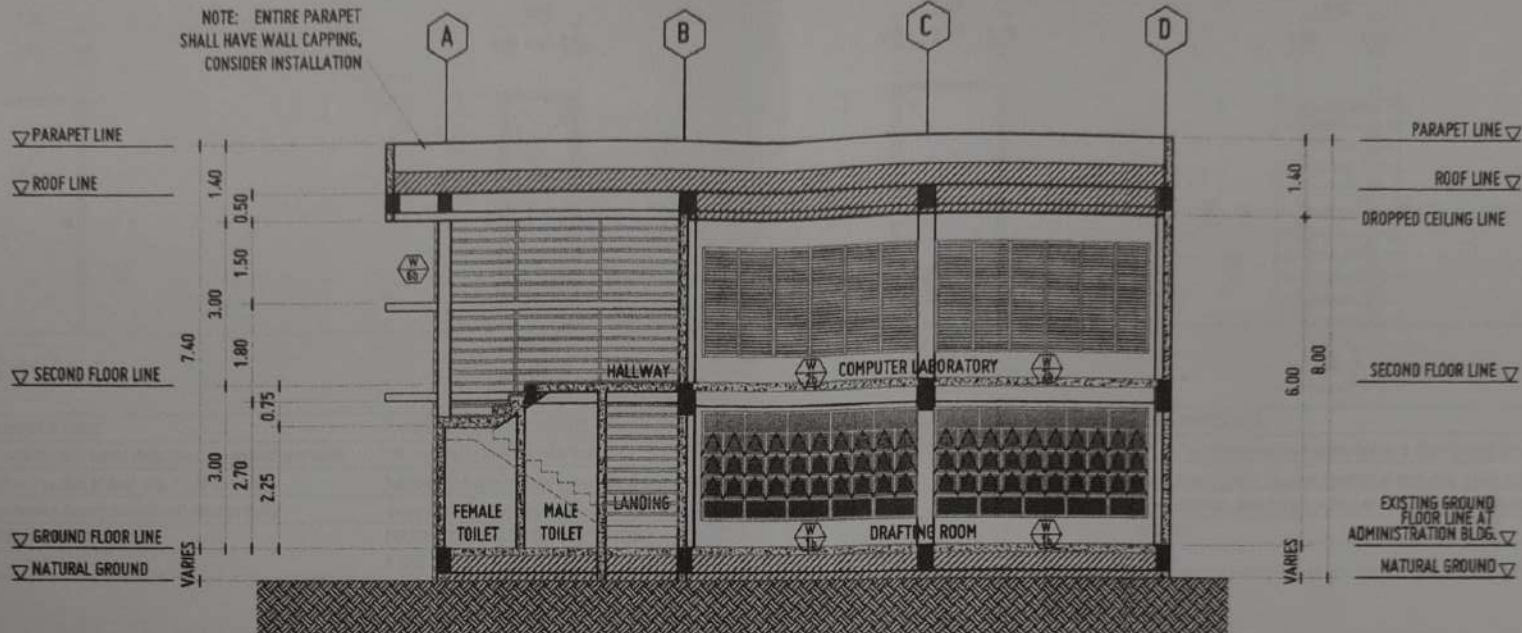
RIGHT ELEVATION
SCALE 1:100 MTS



LEFT ELEVATION
SCALE 1:100 MTS



REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES LABORAN DE MRO CAMPUS INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT C.A. RIVERA AVE., LABORAN, CAGAYAN DE ORO CITY 9000 TEL: (088) 230-8811 TO 88 230-8812 FAX: (088) 230-8813 WWW.USTP.EDU.PH		AR. FERDINAND A. DUMPA ARCHITECT PRE. NO. 0612028 PPR NO. 0612028 A DATE 02-26-2021 TWR 185-002-001 PLACE 01, SALSARAN CITY	PROPOSED INTEGRATED TECHNOLOGY BUILDING USTP JATAAN KAMPUL, HILAND ORIENTAL UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES	RECOMMENDING APPROVAL: AR. FERDINAND A. DUMPA ARCHITECT	ALLIANCE APPROVAL: ATTY. ERWIN M. DUBO LEGAL COUNSEL	APPROVED BY: DR. ANBROSIO B. CULTURA II PRESIDENT, USTP SYSTEM	SHEET CONTENTS: RIGHT ELEVATION LEFT ELEVATION	DRAWN BY: CHECKED BY: DATE DRAWN: 08.01.2021 PNO:
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SECTION B
SCALE 1:100 MTS

SECTION A
SCALE 1:100 MTS



REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
CAGAYAN DE ORO CAMPUS
INFRASTRUCTURE PLANNING AND FACULTY DEVELOPMENT UNIT
16A KECOMAN, CAGAYAN DE ORO CITY, CDA
TELEPHONE: 83462111, 8635232040-4040
FAX: 10212122, 1001001001, 4001
WWW.USTIP.USTP.EDU.PH

PROJECT: **AR. FERNANDO A. DUMPA**
PROJ. NO: 00113-29
DATE: 02-28-2021
TIN: 100-002-087
PLACE: EL SALVADOR CITY

PROJECT: **PROPOSED INTEGRATED TECHNOLOGY BUILDING**
LOCATION: USTP-SAGAN CAMPUS, PISANG BUNRANG
OWNER: UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

RECOMMENDING APPROVAL:
AR. FERNANDO A. DUMPA
DIRECTOR, INFRASTRUCTURE PLANNING & FACULTY DEVELOPMENT UNIT

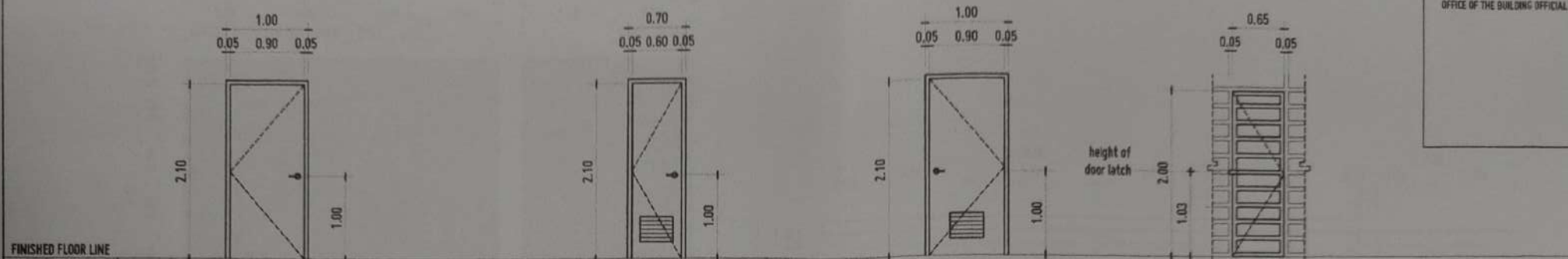
RECOMMENDING APPROVAL:
ATTY. ERWIN B. BORDADO
VP FOR ADMINISTRATION & LEGAL AFFAIRS

APPROVED BY:
DR. AMBROSIO A. CULTURA II
PRESIDENT, USTP SYSTEM

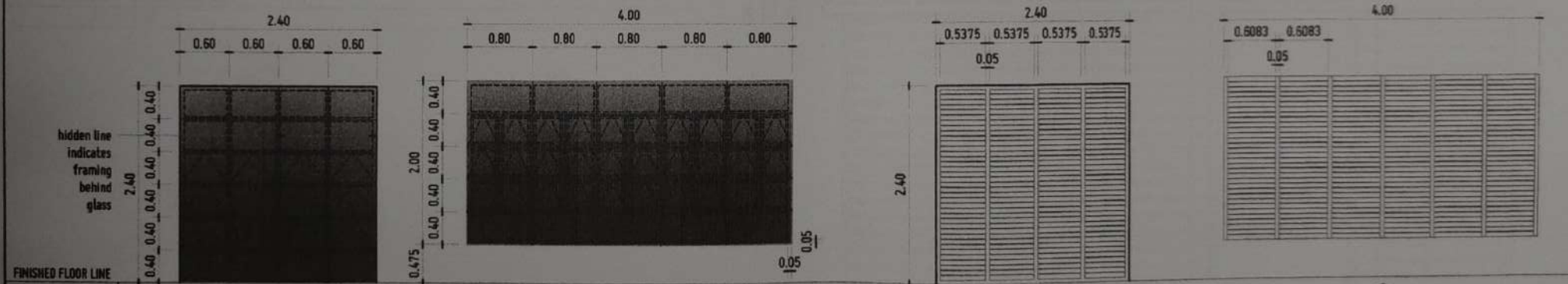
SHEET CONTENTS:
SECTION A
SECTION B

DRAWN BY:
JDP
DATE DRAWN:
06.01.2021
PMT





DESIGNATION	D1	D2	D3	D4
TYPE	SINGLE LEAF SOLID CORE WOODEN DOORS	PVC WOODEN DOOR W/ LOUVRES	PVC DOOR W/ LOUVRES	STEEL LOUVRE DOOR
DESCRIPTION	solid core wooden doors, painted dark brown stain. Use close grained hard wood butt hinges: 2-sets on upper 1/3 portion of door stile, 1-set on bottom use cylindrical, lever type handles (verify handedness), hairline finish	PVC swing door in white with frames butt hinges: 2-sets on upper 1/3 portion of door stile, 1-set on bottom use cylindrical, lever type handles (verify handedness), hairline finish	AS BEFORE	2" x 4" aluminum anodized square tubing in clear (white) finish butt hinges: 2-sets on upper 1/3 portion of door stile, 1-set on bottom use cylindrical, lever type handles (verify handedness), hairline finish
LOCATION	DRAFTING ROOM, COMPUTER LABORATORY, OFFICE	FEMALE TOILET, MALE TOILET, OFFICE TOILET	PWD TOILET	STAIRS
SET	5 SETS	3 SETS	1 SET	1 SET



DESIGNATION	W1a	W1b	W2a	W2b
TYPE	AWNING WINDOW WITH CLEAR ANODIZED FRAMES	AWNING WINDOW WITH CLEAR ANODIZED FRAMES	JALOUSIE WINDOW WITH CLEAR ANODIZED FRAMES	JALOUSIE WINDOW WITH CLEAR ANODIZED FRAMES
DESCRIPTION	glazing: 1/2" tinted glass; frames: aluminum, clear (white) finish hinge: heavy-duty awning hinge operable up to 60 degrees heavy-duty locking mechanism, lever type handle	AS BEFORE	glazing: 6mm thk. glass, machine polished; ultra-clear; jalousie frame: black main frame: 2 x 2 aluminum, clear (white) finish window assembly shall be stormproof	AS BEFORE
LOCATION	DRAFTING ROOM	DRAFTING ROOM	COMPUTER LABORATORY	
SET	2 SETS	2 SETS	2 SETS	2 SETS

SCHEDULE OF DOORS AND WINDOWS 1/2
SCALE: 1:50 NTS



REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
SCHEDULE OF DOORS AND WINDOWS
ARCHITECTURE PLANNING AND FACILITY DEVELOPMENT UNIT
C/A: 1000 P.O. BOX, LAPOAN, CAGAYAN DE ORO CITY 9000
TEL: (083) 521-4100 FAX: (083) 521-4101
WWW: www.usp.edu.ph

AR. FERDINAND A. DUMPA
ARCHITECT
PRC NO. 0012375
DATE: 07-26-2021
TIN: 185-892-831 PLACE: EL SALVADOR CITY

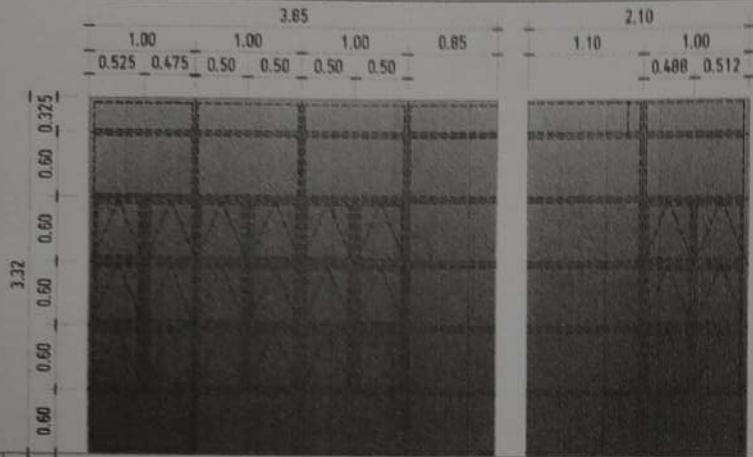
PROPOSED INTEGRATED TECHNOLOGY BUILDING
OWNER: DR. JESAHAN CAPPUL, RICHARD ORIENTAL
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

RECOMMENDING APPROVAL:
AR. FERDINAND A. DUMPA
DIRECTOR, UPAS FOR THE UNIVERSITY FACILITY DEVELOPMENT OFFICE

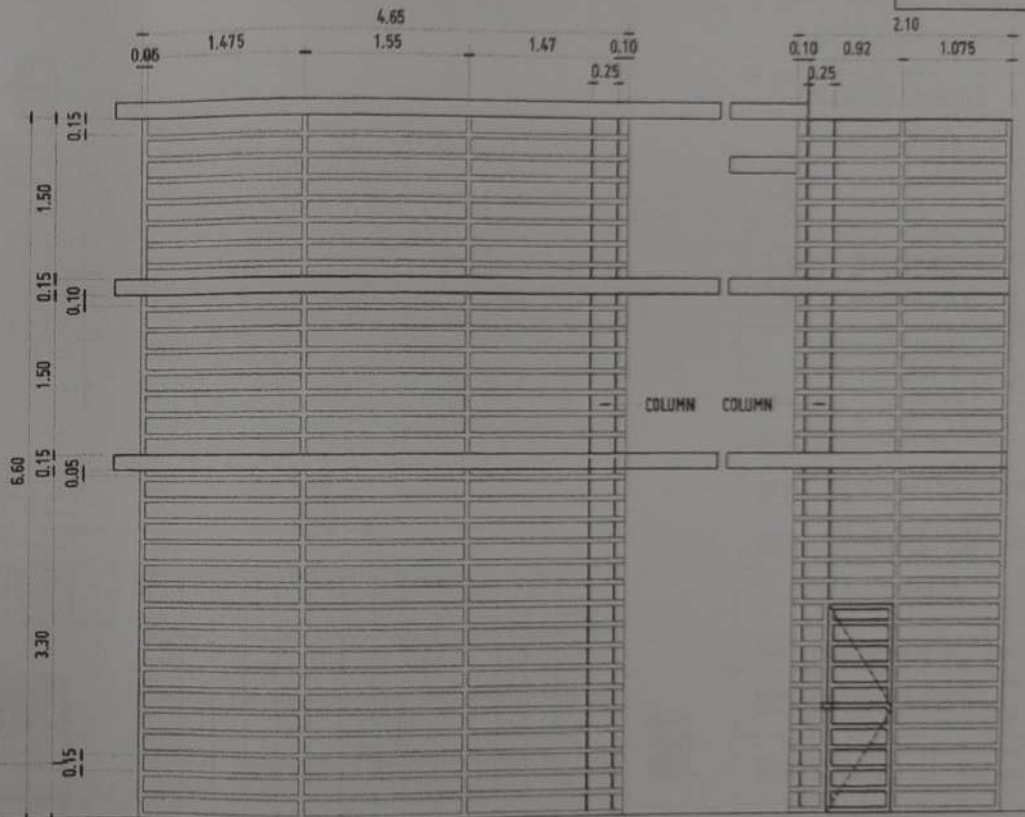
REVISIONS/REMARKS:
APPROVED BY:
ATTY. ERWIN B. BUKID
DR. AMBROSIO A. CULTURA II
PRESIDENT, UP SYSTEM

SHEET CONTENTS:
SCHEDULE OF DOORS AND WINDOWS
DRAWN BY: JSEP
DATE DRAWN: 04.01.2021
PLOT:

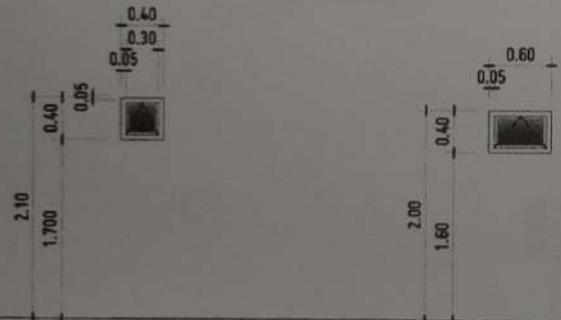
A10



DESIGNATION	W3a	W3b
TYPE	AWNING WINDOW WITH CLEAR ANODIZED FRAMES	
DESCRIPTION	glazing: 2" tinted glass; frames: aluminium, clear (white) finish hinge: heavy-duty awning hinge operable up to 60 degrees heavy-duty locking mechanism, lever type handle	
LOCATION	OFFICE/SERVER ROOM	
SET	1 SET	



DESIGNATION	W4	W5	W6a	W6b
TYPE	AWNING WINDOW WITH CLEAR ANODIZED FRAMES	AWNING WINDOW WITH CLEAR ANODIZED FRAMES	SUN BUFFER	SUN BUFFER
DESCRIPTION	glazing: 2" tinted glass; frames: aluminium, clear (white) finish hinge: heavy-duty awning hinge operable up to 60 degrees heavy-duty locking mechanism, lever type handle	as before	2" x 4" steel square tubing in white semi-gloss finish	2" x 4" steel square tubing in white semi-gloss finish
LOCATION	FEMALE TOILET, MALE TOILET, OFFICE TOILET & KITCHENETTE	PWD TOILET	STAIRS	STAIRS
SET	4 SETS	1 SET	1 SET	1 SET



SCHEDULE OF DOORS AND WINDOWS 2/2
SCALE: 1/8" = 1'-0"



REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
SARANGANI ISLAND CAMPUS
INTEGRATED TECHNOLOGY PLANNING AND FACILITY DEVELOPMENT UNIT
1A, PETAH HILL, SARANGANI, DARAGAON TO SAGAYAN ROAD
CAMPUS IN CHARGE: DR. JESSE L. TORRES, FIM, FIM
100-002-007
100711 www.ustip.edu.ph

PROJECT: PROPOSED INTEGRATED TECHNOLOGY BUILDING
ARCHITECT: AR. FERDINAND A. DUNKA
PNC NO.: 001325 / PNC NO.: 001825 A
DATE: 02-24-2021
TIN: 100-002-007 / PLACE: EL SALVADORE CITY

CLIENT: USTP JESARAN CAMPUS, HIRARAN ORIENTAL
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

RECOMMENDING APPROVAL: AR. FERDINAND A. DUNKA
UNIT FOR OPERATING AND MAINTENANCE SERVICES DEVELOPMENT

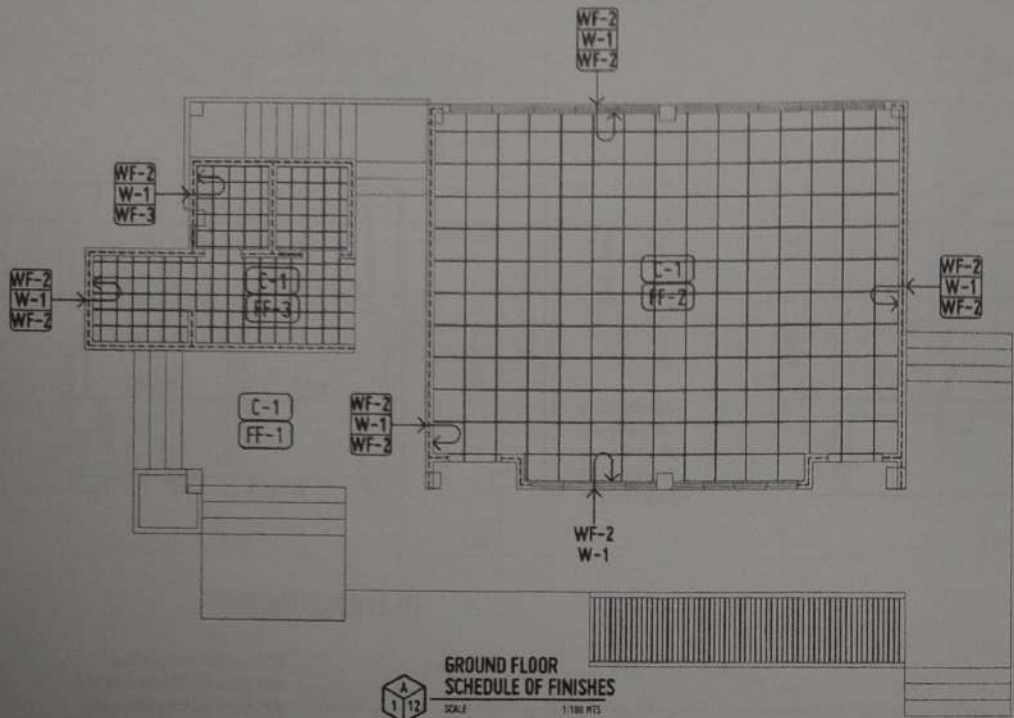
LEGAL APPROVAL: ATTY. ERWIN B. DUNO
VP FOR ADMINISTRATION & LEGAL AFFAIRS

APPROVED BY: DR. AMBRASO C. CULTURA II
PRESIDENT, USTP SYSTEM

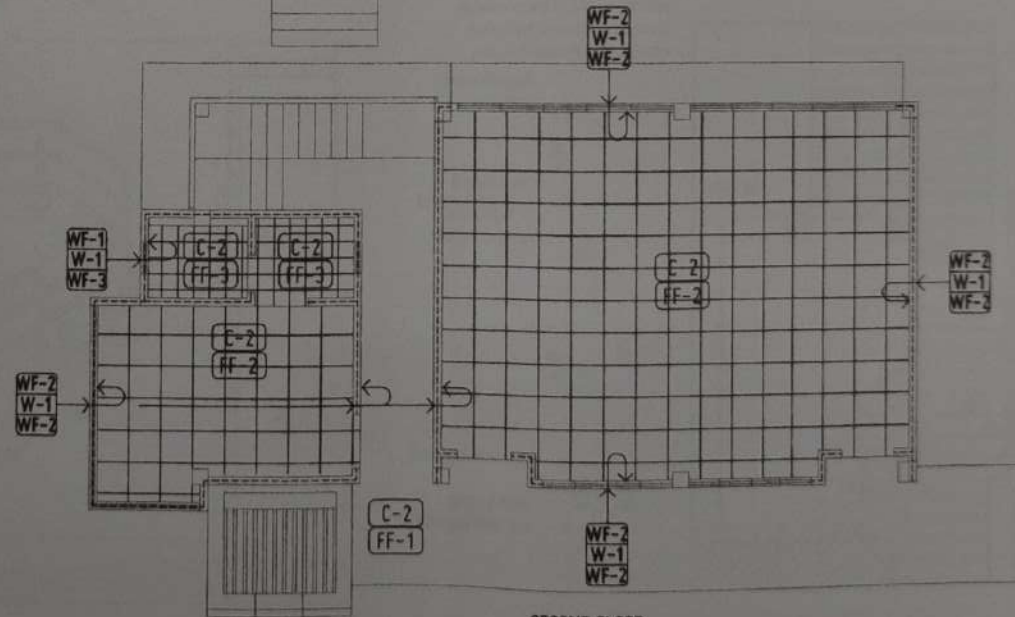
SHEET CONTENTS:
SCHEDULE OF DOORS AND WINDOWS

DESIGNED BY: ECP
DATE DRAWN: JUL 2021
CHKD: [Signature]

A11



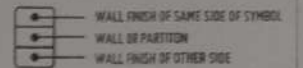
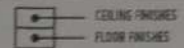
**GROUND FLOOR
SCHEDULE OF FINISHES**
SCALE 1:100 NTS



**SECOND FLOOR
SCHEDULE OF FINISHES**
SCALE 1:100 NTS

DRAWING SYMBOLS

SCHEDULE OF FINISHES



FLOOR FINISHES

MARK	DESCRIPTION
FF-1	SMOOTH TROWEL FINISHED CONCRETE FLOORING
FF-2	600 X 600MM CERAMIC FLOOR TILES, IN GRAY SHADE
FF-3	300 X 300MM NON-SKID CERAMIC FLOOR TILES, IN GRAY SHADE, WITH CEMENTITIOUS WATERPROOFING, VERBEEF DESIGN

WALL FINISHES

WF-1	PLAIN CEMENT PLASTER TROWEL FINISH, "SMOOTH" GRAY SCHEDULE FINISH (EXTERIOR)
WF-2	PLAIN CEMENT PLASTER TROWEL FINISH, "SMOOTH" GRAY SCHEDULE FINISH, PAINTED W/ SELF-CLEANING, ANTI-BACTERIAL, SEMI-GLOSS PAINT IN PURIFYING WHITE COLOR (INTERIOR)
WF-3	LOWER-300MM X 300MM CERAMIC WALL TILE IN GRAY SHADE UPPER-PLAIN CEMENT PLASTER TROWEL FINISH, "SMOOTH" SEMI-GLOSS LATEX PAINT FINISH

PARTITION

W-1	1.50MM THK. CIB INTERIOR AND EXTERIOR WALLS
-----	---

CEILING FINISHES

C-1	OPEN CEILING ACCORDINGLY, PAINTED W/ SELF-CLEANING, ANTI-BACTERIAL, FLAT PAINT IN PURIFYING WHITE COLOR
C-2	DROPPED CEILING, 4.5MM THK. FIBER CEMENT BOARDS IN METAL FRAMES SPACED ACCORDINGLY, PAINTED WITH FLAT WHITE



REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
CAGAYAN DE ORO CAMPUS
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT
CA, BICES AVE., CAGAYAN DE ORO CITY 9000
TEL/FAX: (088) 851-4000 / 851-4001
WWW.USTIP.USTP.EDU.PH

AR. FERDINAND A. DUMPA
ARCHITECT
PRC NO. 0210125 PPR NO. 02-16-2021
DATE 02-16-2021
TIN 101-002-897 PLACE EL SALVADOR CITY

**PROPOSED
INTEGRATED TECHNOLOGY BUILDING**
1037 JASARAN CAMPUS, HIGAYON CEBU
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

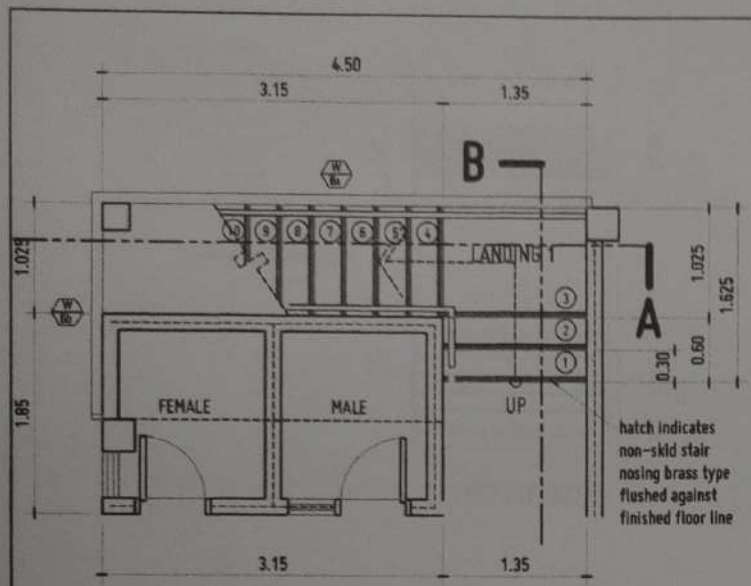
RECOMMENDING APPROVAL:
AR. FERDINAND A. DUMPA
DIRECTOR, INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT

RECOMMENDING APPROVAL:
ATTY. ERWIN B. BAYO
LEGAL COUNSEL, INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT

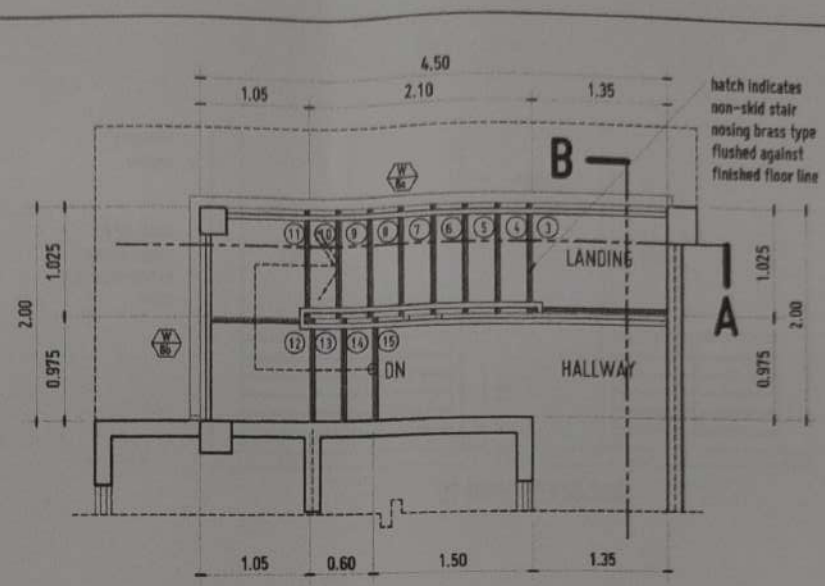
APPROVED BY:
DR. AMBROSIO C. CANTURA II
PRESIDENT, USTP

SKETCH CONTENTS:
SCHEDULE OF FINISHES
DATE DRAWN: 02/15/2021
DWG:

ISSUANCE BY:
DATE: 02/15/2021
DWG: **A12**



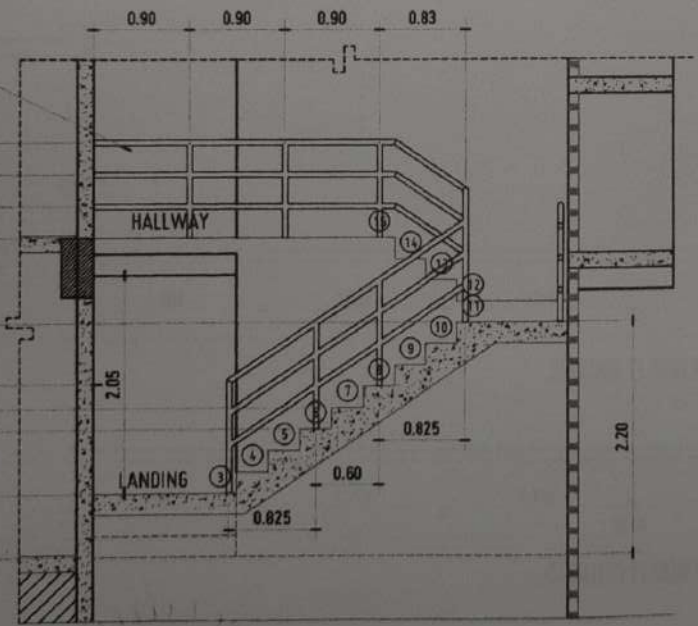
GROUND FLOOR PLAN



SECOND FLOOR PLAN

entire railing shall use 2" Ø stainless steel SS304 round tube embedded partially to concrete and installed with floor flange

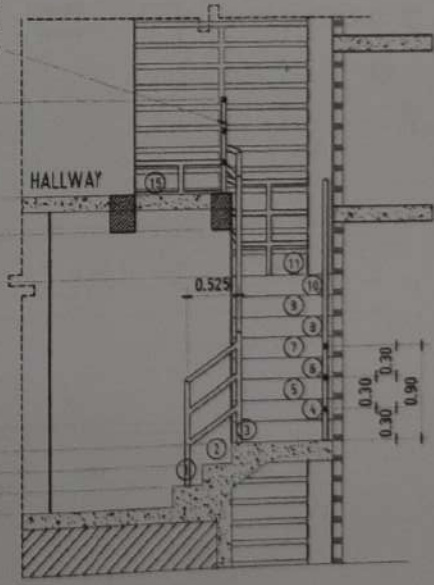
typical height of railing
 second floor finished floor line
 clear height at landing to beam
 landing floor line
 ground floor finished floor line



SECTION A

entire railing shall use 2" Ø stainless steel SS304 round tube embedded partially to concrete and installed with floor flange

typical height of railing
 second floor finished floor line clear height at landing to beam
 landing 1 floor line
 ground floor finished floor line



SECTION B

MAIN STAIRS DETAIL
SCALE 1:50 (R/S)



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 CAGAYAN DE ORO CAMPUS
 INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT
 USTIP 1001, LAYUNAN, CAGAYAN DE ORO CITY 9000
 TELEPHONE: (083) 521-1140; FAX: (083) 521-1141
 MAIL: USTIP@USTIP.ORG.PH

DR. FERDINAND A. JUMPA
 PROJECT: PROPOSED INTEGRATED TECHNOLOGY BUILDING
 LOCATION: USTIP JASARAN CAMPUS, MISAMIS ORIENTAL
 OWNER: UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

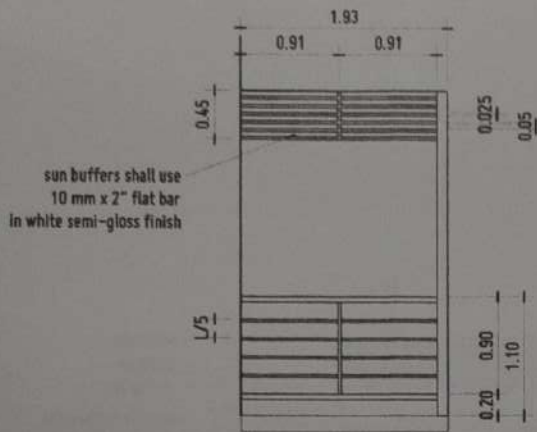
RECOMMENDING APPROVAL:
 DR. FERDINAND A. JUMPA
 DIRECTOR, INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT OFFICE

RECOMMENDING APPROVAL:
 ATTY. ERWIN B. BUCHE
 ATTORNEY AT LAW

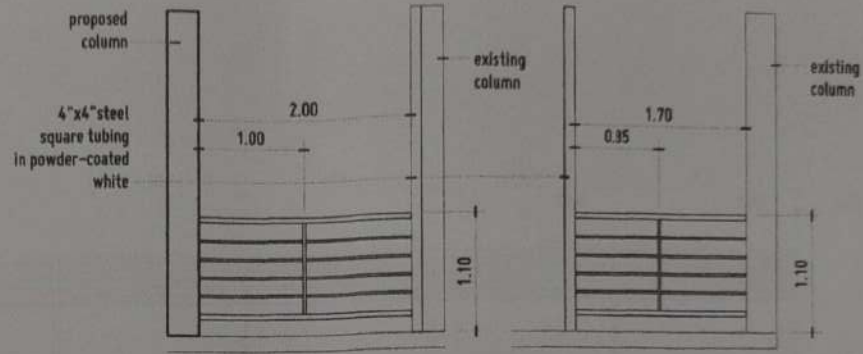
APPROVED BY:
 DR. AMBROSIO B. CULTURA II
 DEPUTY CHIEF OF STAFF

SHEET CONTENTS: MAIN STAIRS DETAIL	DRAWN BY: JDBP
DATE DRAWN: 06.01.2021	CHECKED BY: FMT

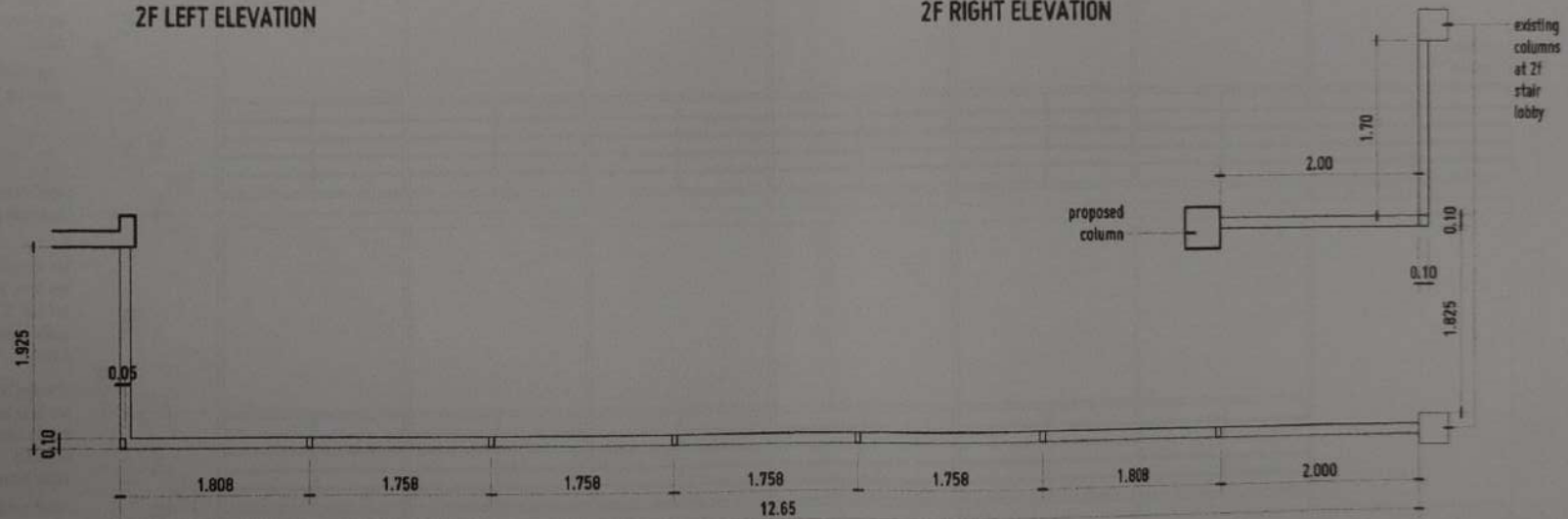




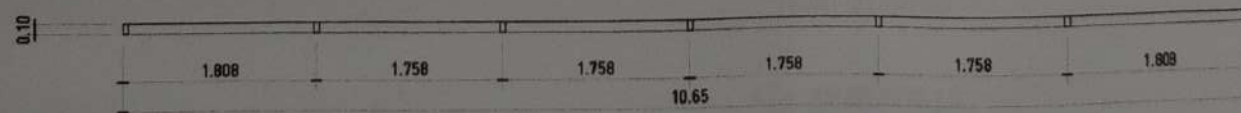
2F LEFT ELEVATION



2F RIGHT ELEVATION



SECOND FLOOR PLAN



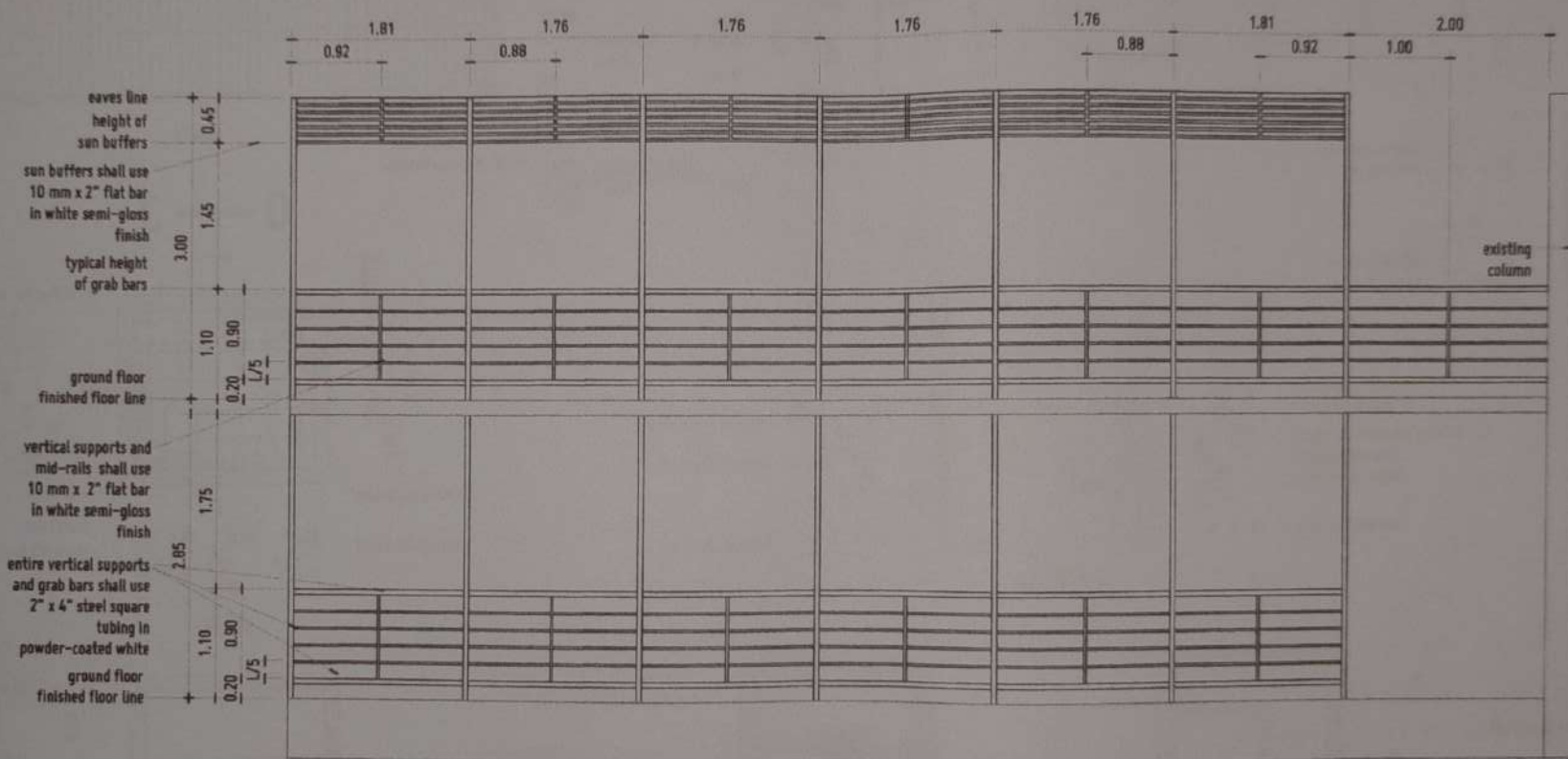
GROUND FLOOR PLAN

RAILING DETAIL 1/2
SCALE 1:30 MTS



REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES OFFICE OF THE BUILDING OFFICIAL INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT C/A, TECH BLDG., UNIVERSITY CAMPUS OF SOUTHERN PHILIPPINES DAVAO DEL SUR PROVINCE, CAGAYAN DE ORO CITY 8000 TEL: (82) 8292-1234-1234 FAX: (82) 8292-1234-1234 WEBSITE: www.ustip.edu.ph		PROJECT ARCHITECT AR. FERDINAND A. DUMBA PRC NO. 00-03229 PER NO. 00-0253 A DATE 02-26-2011	PROJECT OWNER PROPOSED INTEGRATED TECHNOLOGY BUILDING USTIP JASARAN CAMPUS, MISAMIS ORIENTAL UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES	RECOMMENDING APPROVAL AR. FERDINAND A. DUMBA DIRECTOR, INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT	RECOMMENDING APPROVAL AFY. ERWINE B. TORO SUPERVISOR, INFRASTRUCTURE & LEGAL OFFICES	APPROVED BY: DR. AMBROSIO S. CULTURA II PRESIDENT, USTIP SYSTEM	SHEET CONTENTS: RAILING DETAIL	SHEET NO. BY: ZDDP DATE DRAWING: 06/01/2011 PWT
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A14



FRONT ELEVATION

RAILING DETAIL 2/2
SCALE 1:30 N13



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SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
COLLEGE OF BUILDING
INFRASTRUCTURE PLANNING AND FACILITY
DEVELOPMENT UNIT
114, KATAKATA LANTARAN, CALABANG CITY 6010
TALAYAN & SANJOSE (6010) TEL: 093-226-1200
FAX: (093) 226-1200 (EXT. 4200)
WWW.USTIP.UTP.EDU.PH

AR FERNANDO A. DUMPA		PROJECT
PHE NO.	2011110	PFB NO.
DATE	03-29-2021	LOCATION
TIN	185-092-027	PLACE

**PROPOSED
INTEGRATED TECHNOLOGY BUILDING**
MSTP JAGAN CARNOY NEGROS ORIENTAL
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

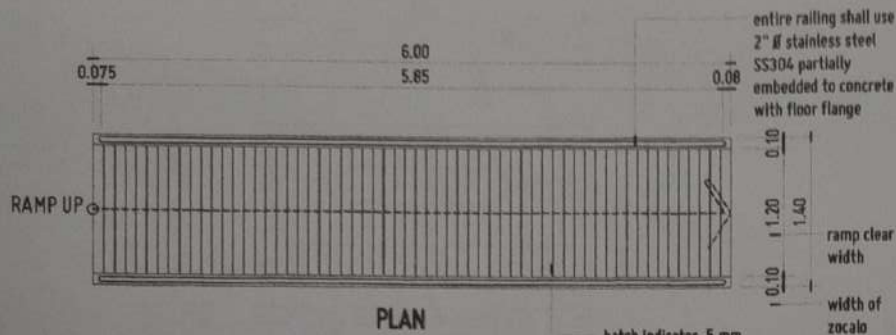
RECOMMENDING APPROVAL
AR FERNANDO A. DUMPA
DIRECTOR, INFRASTRUCTURE PLANNING & FACILITY DEVELOPMENT UNIT

RECOMMENDING APPROVAL
ATTY. CESAR E. BUIO
SOLICITOR-IN-CHIEF, LEGAL OFFICER

APPROVED BY:
DR. AMBRASIO CULTURA II
PRESIDENT, USTIP SYSTEM

THREE COPIES	DRAWN BY:
ISSUE RETAIL	JOSP
	DATE DRAWING
	04.01.2021
	INC:





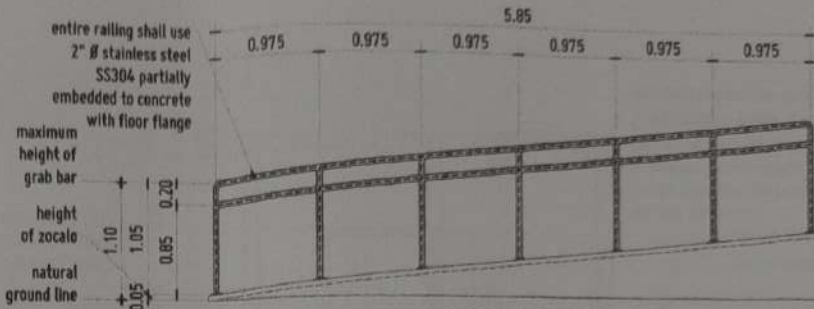
PLAN

hatch indicates 5 mm, groove spaced at 10 cm.

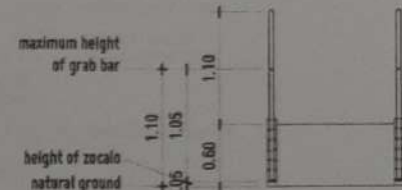


RAMP DETAIL

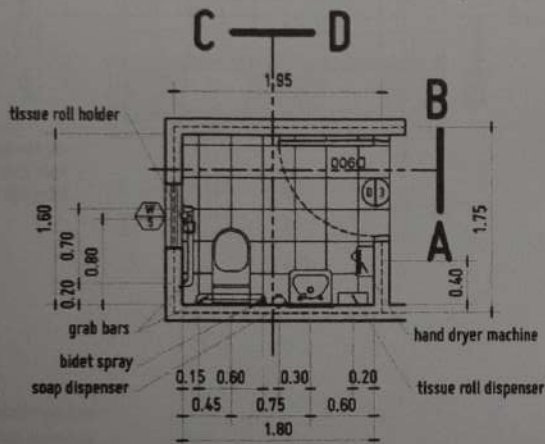
SCALE 1:50 NTS



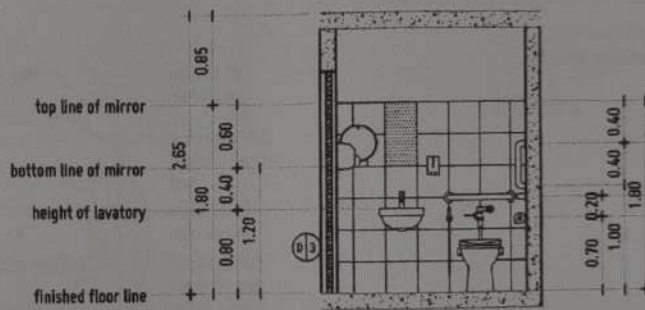
FRONT ELEVATION



SIDE ELEVATION

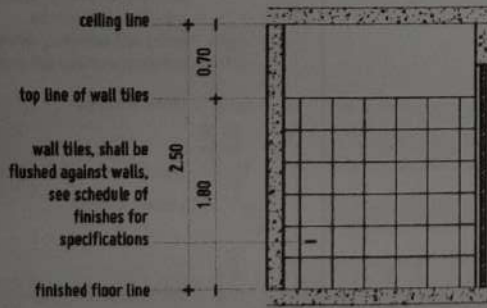


PLAN



SECTION A

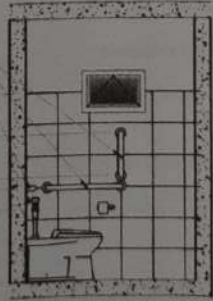
maximum height of vertical grab bar
height of horizontal grab bar
tissue holder and bidet spray height
finished floor line



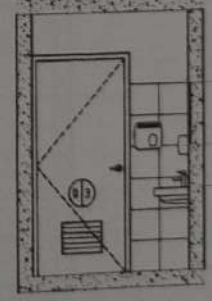
SECTION B

wall tiles, shall be flushed against walls, see schedule of finishes for specifications

grab bars shall use 2" stainless steel SS304 with wall flange
top line of wall tiles
maximum height of vertical grab bar
height of horizontal grab bar
tissue holder and bidet spray height
finished floor line



SECTION C



SECTION D



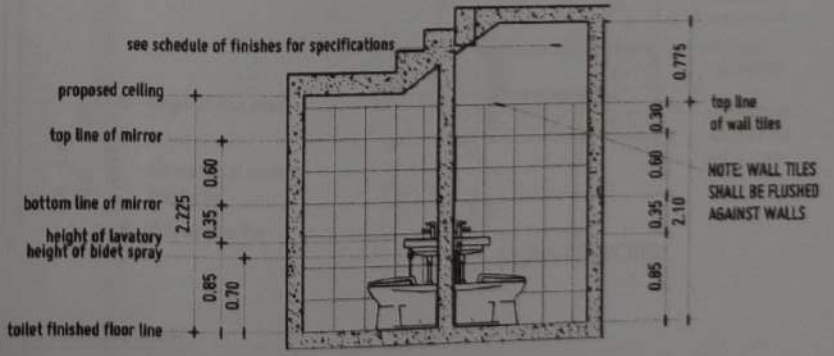
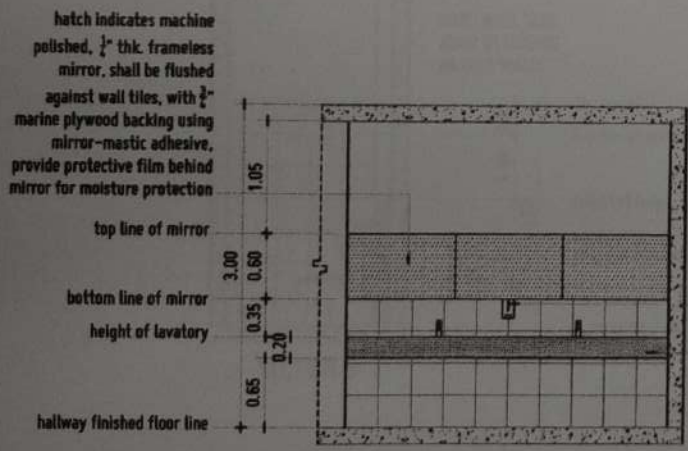
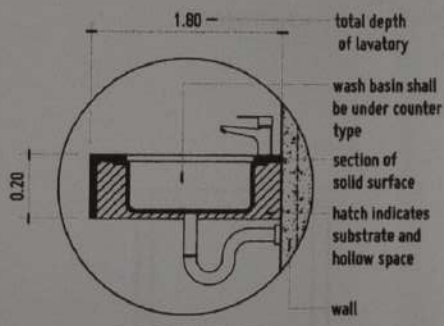
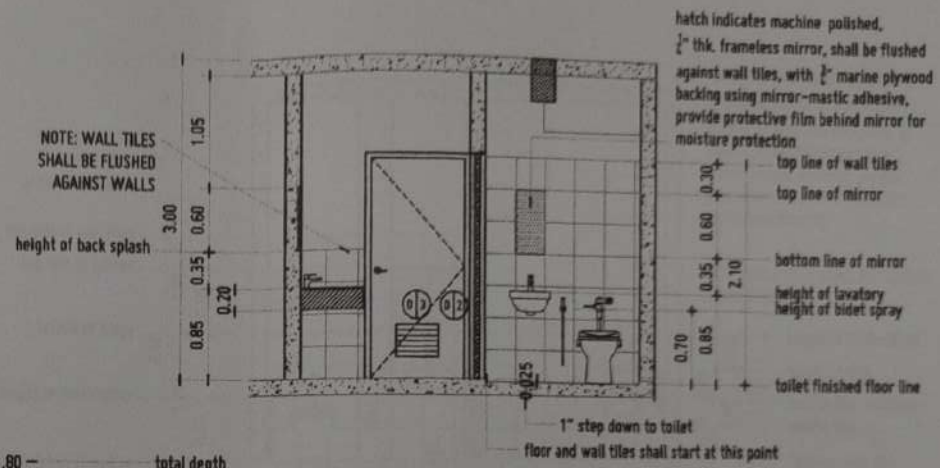
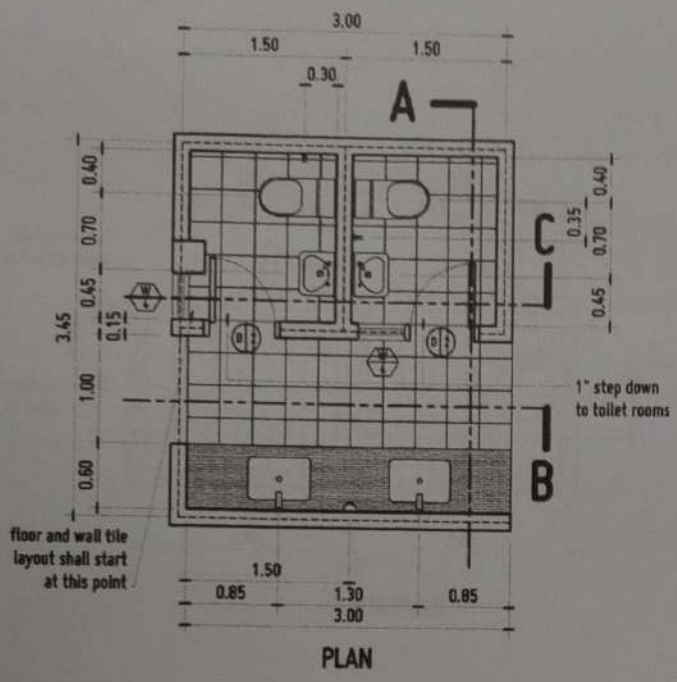
PWD TOILET DETAIL

SCALE 1:50 NTS



REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES OFFICE OF THE BUILDING OFFICIAL INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT C/A, SECT. 01, JAGAN CAMPUS, HIGAS DENZEL, TAGAYAYAN (MARIKINA) CITY, METRO MANILA TEL: (754) 742-1000 (EXT. 4000) FAX: (754) 742-1000 (EXT. 4000)		PROJECT: PROPOSED INTEGRATED TECHNOLOGY BUILDING LOCATION: MISTP JAGAN CAMPUS, HIGAS DENZEL, UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES OWNER:	RECOMMENDING APPROVAL: AR. FERDINAND A. DUMPA ARCHITECT	RECOMMENDING APPROVAL: KITY FERDINAND DUMPA ARCHITECT	APPROVED BY: DR. AMBRISIA VICTORIA II PRESIDENT, USTIP	SHEET CONTENTS: PWD TOILET DETAIL RAMP DETAIL	DRAWN BY: JZP ENTS DRAWING 08.01.2021 FNO:
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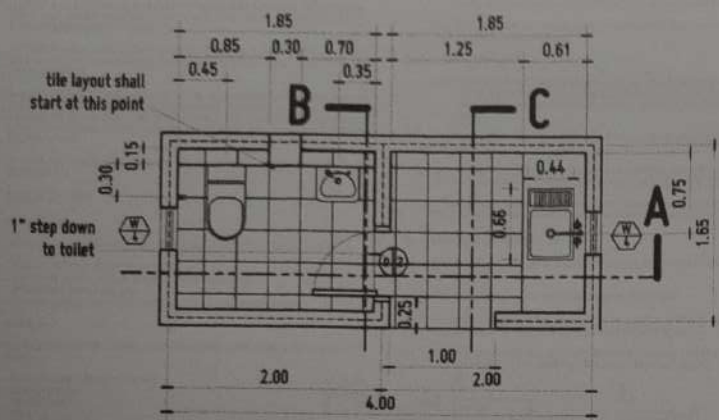




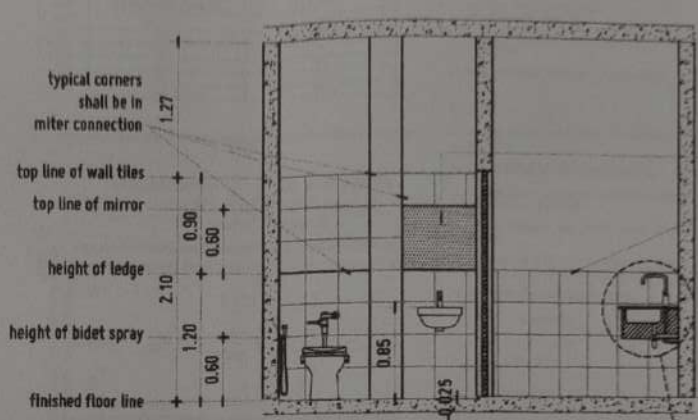
MALE AND FEMALE TOILET DETAIL
SCALE 1:50 MTS



REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES OFFICE OF THE BUILDING OFFICIAL INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT C.A. ARON P.O. BOX 26000, CORONADO RD. CTF 6033, PATEROS, MANILA 1210 TEL: (02) 772 1000 (10-1499) FAX: (02) 772 1000 (10-1499)		PROJECT: PROPOSED INTEGRATED TECHNOLOGY BUILDING SHEET NO.: 0124253 A DATE: 02-29-2021 LOCATION: MSTP JAGASAN CAMPUS, HIGAYON ORIENTAL, UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES OWNER:	RECOMMENDING APPROVAL: AR. FERDINAND R. DAMPA DIRECTOR, INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT	RECOMMENDING APPROVAL: ATTY. ERMIL B. BANGAY VP FOR ADMINISTRATION, HIGAYON ORIENTAL	APPROVED BY: DR. ANDRES M. CULTURA II PRESIDENT, USTP SYSTEM	SHEET CONTENTS: MALE AND FEMALE TOILET DETAIL	DRAWN BY: JUMP DATE DRAWING: 06/21/2021 INC:
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FLOOR PLAN

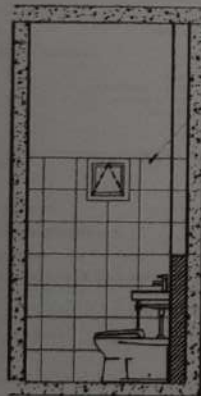


SECTION A

hatch indicates machine polished, 2" thick, frameless mirror, shall be flushed against wall tiles, with 3/4" marine plywood backing using mirror-mastic adhesive, provide protective film behind mirror for moisture protection

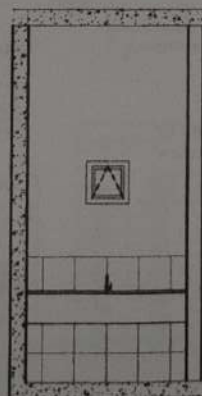
NOTE: WALL TILES SHALL BE FLUSHED AGAINST WALLS

height of black splash
height of sink
bottom line of kitchen countertop
finished floor line

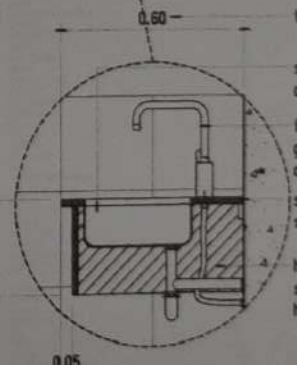


SECTION B

NOTE: WALL TILES SHALL BE FLUSHED AGAINST WALLS



SECTION C



BLOW-UP SECTION

OFFICE TOILET AND KITCHNETTE DETAIL
SCALE 1:30 R13



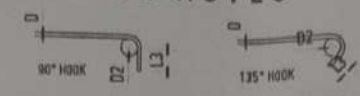
REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES CAGAYAN DE ORO CAMPUS INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT DIVISION USTIP USTIP 1000 USTIP 1000 USTIP 1000 USTIP 1000	PROJECT: PROPOSED INTEGRATED TECHNOLOGY BUILDING	RECOMMENDING APPROVAL: AR. FERDINAND A. DUMPA	RECOMMENDING APPROVAL: ATTY. ERWIN B. DE...	APPROVED BY: DR. ANTONIO B. CULTURA II	SHEET CONTENTS: OFFICE TOILET AND KITCHNETTE DETAIL	DRAWN BY: JDP DATE DRAWN: JULY 2021 PLOT:
	PROJECT NO.: 001-2318 DATE: 07-26-2021 LOCATION: KSTP JAGASAN CAMPUS, MISAMIS ORIENTAL OWNER: UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES	RECOMMENDING APPROVAL: AR. FERDINAND A. DUMPA USTIP 1000, INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT DIVISION	APPROVED BY: DR. ANTONIO B. CULTURA II USTIP 1000, USTIP SYSTEM	SHEET CONTENTS: OFFICE TOILET AND KITCHNETTE DETAIL	DRAWN BY: JDP DATE DRAWN: JULY 2021 PLOT:	



GENERAL NOTES

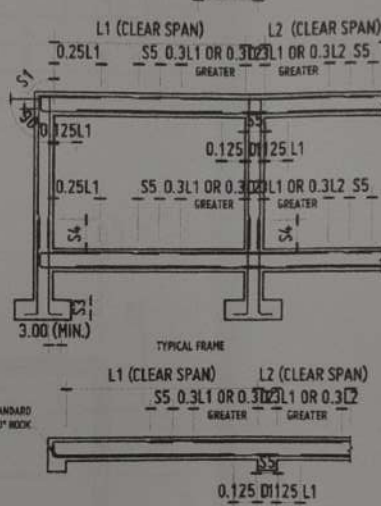
- GENERAL**
- 1.1 THE STRUCTURAL REQUIREMENTS SHALL BE READ IN CONNECTION WITH THE DRAWINGS OF ALL OTHER DRAWINGS AND THE SPECIFICATIONS. THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO LEVELS, CHANGES, HEIGHTS, WEIGHTS, ANCHORS, OPENINGS AND OTHER ITEMS TO BE PLACED RESULT IN THE STRUCTURAL WORKS.
- 1.2 THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK.
- 1.3 THE STRUCTURAL DRAWINGS WERE PREPARED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED. THE INVESTIGATION, DESIGN, SAFETY, STABILITY AND INSPECTION OF ERECTION BRACING, TEMPORARY SUPPORTS, ETC., IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 1.4 THE DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY SHOWN, SIMILAR DETAILS OR CONSTRUCTION SHALL BE USED, SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL.
- 1.5 (ADDITION) APPLIED TO THE STRUCTURE DURING THE PROGRESS OF CONSTRUCTION SHALL NOT EXCEED THE SAFE LOAD-CARRYING CAPACITY OF THE STRUCTURAL MEMBER. THE LOADS TO BE APPLIED IN THIS STRUCTURE ARE INDICATED IN THE "DESIGN CRITERIA NOTES". DO NOT APPLY ANY CONSTRUCTION BRACING UNTIL STRUCTURAL FRAMING IS PROPERLY CONNECTED TOGETHER AND UNTIL ALL TEMPORARY BRACING IS IN PLACE.
- 1.6 ALL ACES AND OTHER REFERENCES ARE PER THE LATEST EDITIONS OF THESE STANDARDS, UNLESS OTHERWISE NOTED.

- 1.7 FOUNDATION
 - 1.7.1 FOUNDATION SHALL BE OBTAINED BASED ON THE GEO-TECHNICAL INVESTIGATION REPORT. THE GENERAL CONTRACTOR SHALL CONDUCT SOIL TESTS TO VERIFY THE DESIGN IS SAFE AND IS ACCORDANT TO THE GEO-TECHNICAL SOIL TEST REPORT.
 - 1.7.2 REINFORCEMENT
 - 1.7.2.1 ALL VIBRATION, BURNING AND SURFACE SOIL CONTAINING ORGANIC MATERIAL SHALL BE REMOVED FROM THE SITE.
 - 1.7.2.2 THE EXPOSED SURFACE SHALL BE IDENTIFIED PRIOR TO PLACING ANY FILL. THE IDENTIFICATION SHALL BE ACCOMPLISHED BY CONCRETE AND SHALL EXTEND UNTIL THE SOIL DENSITY, PER M3 BELOW THE CALLING FILL-SURFACE, IS AT LEAST 95% OF THE HIGHER PROCTOR MAXIMUM DRY DENSITY.
 - 1.7.2.3 IF THE COMPENSATED SOIL ARE NOT IN CONSTRUCTION ACTIVITIES, THESE SOILS SHALL BE RE-COMPACTED AND RE-TESTED.
 - 1.7.3 GROUND WATER TABLE
 - 1.7.3.1 THE CONTRACTOR'S ATTENTION IS DRAWN TO GROUNDWATER ELEVATIONS INDICATED IN DISCUSSED IN THE GEO-TECHNICAL REPORT. WELL-POINTS MAY BE NEEDED TO MAINTAIN THE GROUND WATER LEVEL IS MAINTAINED AT LEAST 300 MM BELOW THE BOTTOM OF FOOTING DURING CONSTRUCTION AND CONSTRUCTION.
 - 1.7.4 THE SIDES OF FOOTINGS SHALL BE PROVED EXCAVATED SOILS TO FORM THE SIDES OF FOOTINGS ARE NOT ACCEPTABLE.
 - 1.7.5 TOP OF FOOTING ELEVATION SHALL BE AS SHOWN ON THE FOUNDATION PLAN OR DETAILS. THREE ELEVATIONS ARE A MAXIMUM AND SHALL BE CONSIDERED AS REQUIRED TO DEFINE THE EXPOSED DESIGN BEARING PRESSURE.
 - 1.7.6 NO UNBALANCED BRACING SHALL BE DONE AGAINST FOUNDATION WALLS UNLESS WALLS ARE SECURELY ANCHORED AGAINST OVERFLOWING. ETC. BY TEMPORARY BRACING PERMANENT CONSTRUCTION.



BARS (MM)	STIRRUPS AND TIES	
	MINIMUM BEAM DIAMETER	EXTENSION L ₁ (MM)
#8	30	50
#10	40	60
#12	50	70
#14	55	85
#16	65	95

4.8 UNLESS OTHERWISE INDICATED, THE FOLLOWING MINIMUM DEVELOPMENT AND LAP LENGTHS SHALL BE USED



BARS (MM)	MIN. DEVELOPMENT LENGTH				MIN. LAP LENGTH	
	IN TENSION		IN COMPRESSION		IN TENSION	IN COMPRESSION
	S1 (MM)	S2 (MM)	S3 (MM)	S4 (MM)	S5 (MM)	S6 (MM)
#8	420	375	200	470	300	300
#10	515	465	210	575	300	300
#12	630	485	250	630	355	355
#14	735	585	285	735	470	470
#16	840	645	335	840	470	470
#18	945	725	380	945	530	530
#20	1050	805	420	1050	590	590
#22	1160	1110	480	1160	650	650
#25	1260	1260	525	1260	715	715
#28	1380	1410	590	1380	825	825
#30	1505	1510	630	1505	880	880
#32	1635	1615	670	1635	940	940

NOTES:
 A. THE INDICATED MINIMUM DEVELOPMENT AND LAP LENGTHS ARE FOR CLASS 'C' CONCRETE. FOR 'A' OTHER THAN 25 MPa, THE VALUES OF S1, S2, S3, AND S4 SHALL BE MULTIPLIED BY 0.8.
 B. WHEN LIGHTWEIGHT AGGREGATE CONCRETE IS USED, INDICATED VALUES OF S1 AND S2 SHALL BE MULTIPLIED BY 1.2. HOWEVER, WHEN THE AVERAGE DENSITY, VOLUME FRACTION OF LIGHTWEIGHT AGGREGATE CONCRETE (LO) IS SPECIFIED, S1 AND S2 SHALL BE PERMITTED TO BE MULTIPLIED BY 0.7 (LO/2400) BUT NOT LESS THAN 1.0.
 C. FOR LIGHTWEIGHT BARS, S1 AND S2 SHALL BE MULTIPLIED BY 1.3.
 D. LAP AND DEVELOPMENT LENGTHS OF INDIVIDUAL BARS WITHIN A MEMBER SHALL BE THAT FOR INDIVIDUAL BAR OR SHALL BE 50% FROM OTHER BAR DIAMETER, 175 FOR TENSILE BAR BUNDLE.

2. DESIGN CRITERIA
- 2.1 STANDARDS
 - A. NATIONAL STRUCTURAL CODE OF THE PHILIPPINES
 - B. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (BCR-2001)
 - C. INTERNATIONAL BUILDING CODE (IBC)
 - D. STRUCTURAL ENGINEERING INSTITUTE/AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE)
- 2.2 MATERIALS
 - 2.2.1 THE FOLLOWING STRUCTURAL MATERIALS AND THEIR CORRESPONDING STRENGTH ARE ADOPTED IN THE DESIGN:

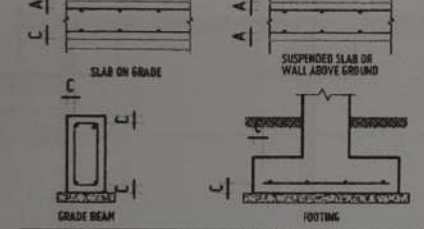
A. CONCRETE CYLINDER STRENGTH AT 28 DAYS	$f'_c = 28$ MPa
CONCRETE SLAB	$f'_c = 25$ MPa
REINFORCING BARS	$f_y = 414$ MPa
WPA	$f_w = 55$ MPa
STEEL	$f_y = 248$ MPa
STRUCTURAL STEEL PLATES AND SHAPES - ASTM A36	$f_y = 248$ MPa
ANCHOR BOLTS - ASTM A307	$f_y = 414$ MPa
WPA	$f_w = 55$ MPa
 - 2.2.2 DESIGN LOADS: DESIGN QUANTITY LOADS (AS SHOWN IN THE DESIGN AREA) ARE AS FOLLOWS:

A. CONCRETE	15 kN/m ²
50 MM FLOOR TOPPING + FINISH	1.5 kN/m ²
150 MM CONCRETE MASONRY SHEET	2.70 kN/m ²
150 MM CONCRETE MASONRY SHEET	3.30 kN/m ²
ROOF TOPPING - INSULATION + MEMBRANE	2.50 kN/m ²
 - 2.2.3 LIVE LOADS: DESIGN QUANTITY LIVE LOADS (AS IN THE DESIGN AREA) ARE AS FOLLOWS:

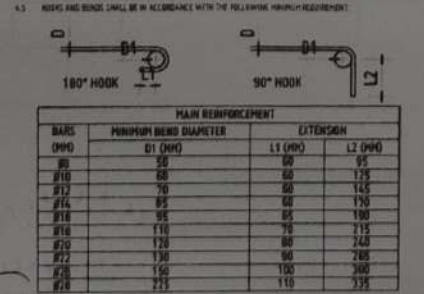
A. FLOOR LIVE LOAD	7.5 kN/m ²
ROOF LIVE LOAD	CONCRETE ROOF: 1.8 kN/m ²
STEEL ROOF: 0.8 kN/m ²	
WPA	5.5 kN/m ²
- 2.3 WIND LOAD
- 2.3.1 WIND LOAD ON STRUCTURE SHALL BE COMPUTED AND APPLIED IN CONFORMANCE TO THE PROVISIONS OF THE INTERNATIONAL BUILDING CODE, LATEST EDITION.
- 2.3.2 DESIGN WIND PRESSURE
 - A. BASIC WIND VELOCITY FOR JASARAN, NEGROS OR ARE AS FOLLOWS: 150 KPH
 - B. DIMENSIONED DESIGN WIND SHALL BE OBTAINED AT 10M IN HEIGHT FROM REF. 0 & 1.1
 - C. ADJUSTMENT FACTOR FOR BUILDING HEIGHT AND EXPOSURE (K_d)
 - D. ADJUSTMENT FACTOR FOR BUILDING HEIGHT AND EXPOSURE (K_e) SHALL BE AS GIVEN IN FIGURE 5-7 OF DIVISION 1.
 - E. IMPORTANCE FACTOR (I)
 - F. IMPORTANCE (I) SHALL BE AS DEFINED IN SECTION 4.5.5 OF DIVISION 1.
- 2.3.3 EXPOSURE CATEGORY
 - A. AN EXPOSURE CATEGORY SHALL BE IN ACCORDANCE WITH SECTION 4.5.6 OF DIVISION 1.
- 2.3.4 SEISMIC LOADS
- 2.3.5 COMPUTATION AND APPLICATION OF SEISMIC LOADS ON THE STRUCTURE SHALL BE IN ACCORDANCE WITH THE SEISMIC ANALYSIS OF THE INTERNATIONAL BUILDING CODE, LATEST EDITION.

3. CONCRETE CONSTRUCTION
 - 3.1 UNLESS SHOWN OTHERWISE, ALL REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH THE FOLLOWING:
 - A. NO UNLESS SHALL BE PERMITTED IN PLACING REINFORCEMENT AT JOINTS WHERE CERTAIN BENDING STRESS IS OCCUR.
 - B. WHEN A BEAM CROSSES A COLUMN, REINFORCING BARS ON TOP OF A BEAM SHALL BE AS SHOWN IN THE TYPICAL FRAME.
 - C. IF SLABS ARE REINFORCED BOTH WAYS (TWO-WAY SLAB), THE BARS ALONG THE SHORT SPAN SHALL BE AT THE LOWER LAYER FOR DESIGN BARS, AND UPPER LAYER FOR TOP BARS.
 - D. UNLESS OTHERWISE NOTED, THE FOLLOWING CLEAR CONCRETE COVER OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH SECTION 11.10-11. CLEAR COVER REQUIREMENTS AND JOINTS AS FOLLOWS:

REINFORCEMENT	CAST-IN-PLACE CONCRETE	PRECAST CONCRETE			
	EXPOSED TO WEATHER OR EARTH	NOT EXPOSED TO WEATHER OR EARTH	EXPOSED TO EARTH	EXPOSED TO WEATHER	NOT EXPOSED TO WEATHER OR EARTH
WALL PANELS	50	25	75	30	20
OTHERS	40	20	50	30	30
 - 3.2 REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH THE FOLLOWING:
 - A. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 4.5.5 OF DIVISION 1.
 - B. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 4.5.6 OF DIVISION 1.
 - C. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 4.5.7 OF DIVISION 1.
 - D. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 4.5.8 OF DIVISION 1.
 - E. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 4.5.9 OF DIVISION 1.
 - F. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 4.5.10 OF DIVISION 1.
 - G. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 4.5.11 OF DIVISION 1.
 - H. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 4.5.12 OF DIVISION 1.
 - I. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 4.5.13 OF DIVISION 1.
 - J. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 4.5.14 OF DIVISION 1.
 - K. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 4.5.15 OF DIVISION 1.
 - L. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 4.5.16 OF DIVISION 1.
 - M. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 4.5.17 OF DIVISION 1.
 - N. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 4.5.18 OF DIVISION 1.
 - O. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 4.5.19 OF DIVISION 1.
 - P. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 4.5.20 OF DIVISION 1.
 - Q. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 4.5.21 OF DIVISION 1.
 - R. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 4.5.22 OF DIVISION 1.
 - S. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 4.5.23 OF DIVISION 1.
 - T. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 4.5.24 OF DIVISION 1.
 - U. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 4.5.25 OF DIVISION 1.
 - V. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 4.5.26 OF DIVISION 1.
 - W. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 4.5.27 OF DIVISION 1.
 - X. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 4.5.28 OF DIVISION 1.
 - Y. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 4.5.29 OF DIVISION 1.
 - Z. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 4.5.30 OF DIVISION 1.



BARS (MM)	MINIMUM BEAM DIAMETER		EXTENSION	
	D1 (MM)	L1 (MM)	L2 (MM)	L3 (MM)
#8	50	60	95	125
#10	60	60	115	145
#12	70	60	135	175
#14	80	60	155	205
#16	90	65	175	235
#18	110	70	215	275
#20	120	80	240	300
#22	130	90	265	330
#24	150	100	300	360
#28	175	110	335	395



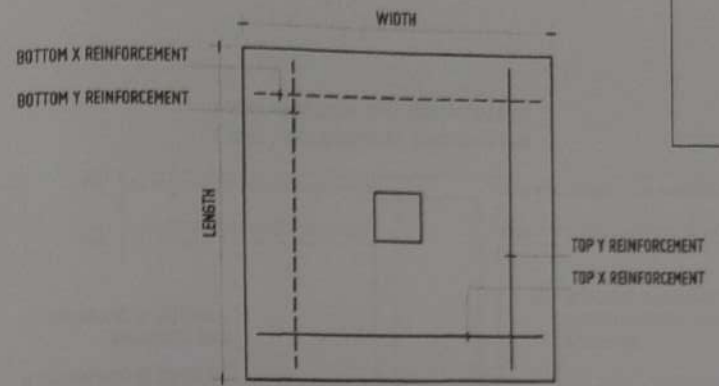
5. MASONRY
 - 5.1 MASONRY UNITS SHALL COMPLY TO THE REQUIREMENTS OF ACI 530/ASCE 5.
 - 5.2 MASONRY EXPANSION AND CONTRACTION JOINT REQUIREMENTS SHALL BE AS PER ACI 530.
 - 5.3 UNLESS OTHERWISE INDICATED, ALL WALLS SHALL BE LAID IN RUNNING BOND.
 - 5.4 REINFORCING BARS SHALL BE PROVIDED AT THE CORNER JOINTS AND SPACING AS INDICATED. REINFORCING BARS AT ALL WALL CORNERS, INTERSECTIONS AND OPENINGS SHALL BE AS PER ACI 530.
 - 5.5 REINFORCING BARS SHALL BE PROVIDED PER FOUNDATIONS TO MATCH VERTICAL BARS.
 - 5.6 LEVEL BEAR SHALL BE PROVIDED ABOVE ALL WALL OPENINGS.
6. STEEL
 - 6.1 ALL STRUCTURAL STEEL SHALL COMPLY TO THE REQUIREMENTS OF AISC 360-10.
7. NOTES FOR DRAWING NOMENCLATURES
 - 7.1 ALL DIMENSIONS ARE IN MILLIMETERS AND DECIMALS ARE IN METERS UNLESS OTHERWISE NOTED.
 - 7.2 INSULATED CONCRETE SHALL MEET MARKET GRADE SPECIFICATION.
 - 7.3 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SET CONDITIONS SHALL BE WITHIN 1% OF DESIGN VALUE.
 - 7.4 ALL REINFORCING BARS SHALL BE AS FOLLOWS:

4E7	EPSTEEL CONCRETE PROTECTIVE COATING
ADT	ADDITIONAL
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8. ABBREVIATIONS

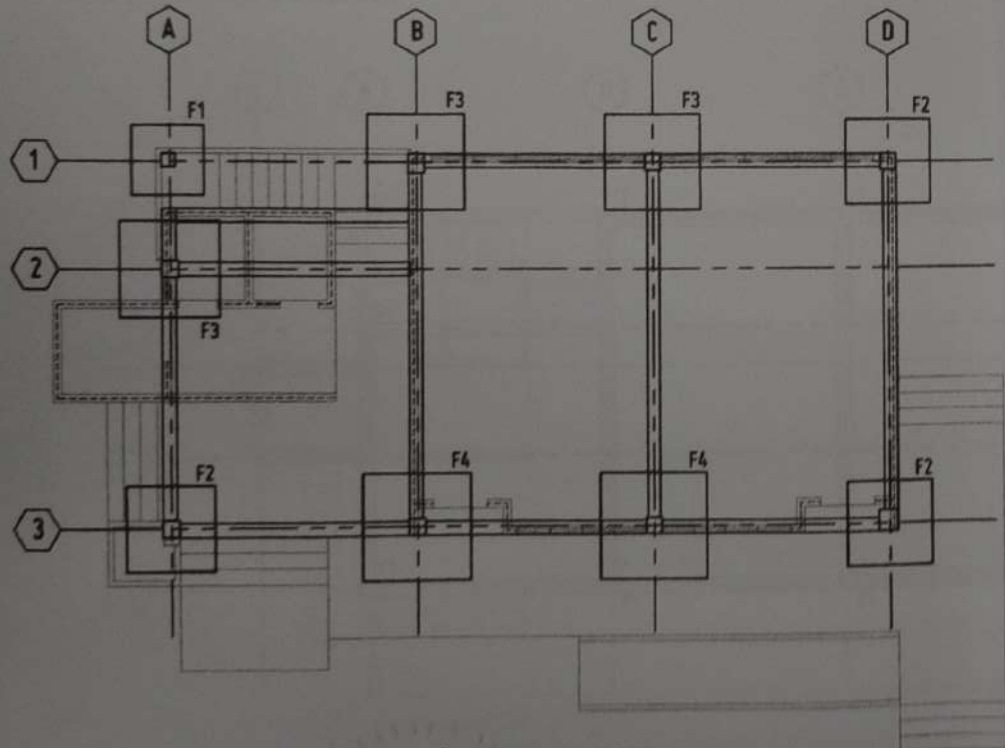
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SCHEDULE OF FOUNDATION								
DESIGNATION	DIMENSION		THICKNESS	BAR DIAMETER	MAIN REINFORCEMENT			
	LENGTH	WIDTH			BOT X	BOT Y	TOP X	TOP Y
F1	1300	1300	300	Ø 16 MM	6	6	5	5
F2	1600	1600	350	Ø 16 MM	7	7	6	6
F3	1800	1800	350	Ø 16 MM	8	8	6	6
F4	2000	2000	400	Ø 16 MM	9	9	7	7

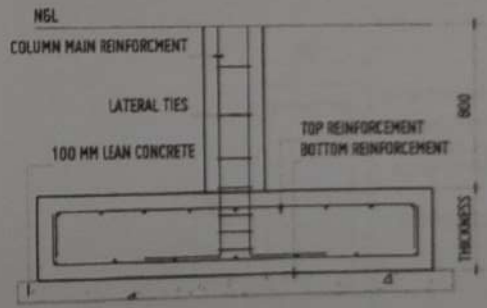


NOTE: FOOTING HAS A CONCRETE COVER OF 75 MM.

FOOTING DETAILS (TYPICAL)



FOUNDATION LAYOUT
SCALE 1:100 MTS



FOOTING SECTION (TYPICAL)

FOOTING SCHEDULE AND DETAILS
SCALE NET TO SCALE



REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE AND TECHNOLOGY - SYSTEMS PHILIPPINES
SCHOOL OF CIVIL ENGINEERING
INTEGRATED TECHNOLOGY PLANNING AND FACILITY DEVELOPMENT UNIT
CIVIL ENGINEERING DIVISION
UNIVERSITY OF SCIENCE AND TECHNOLOGY - SYSTEMS PHILIPPINES
1000 UNIVERSITY AVENUE, BUTUTE, CEBU CITY, PHILIPPINES

ERNESTO C.H. QUIJOTE
CEAL/STRUCTURAL ENGINEER
PRO. NO. 054549 PIV. NO. 051644-A
DATE: 01-12-2021
TEL: 332-320-792 PLACE: DAVAO CITY

PROPOSED INTEGRATED TECHNOLOGY BUILDING
PROJECT: UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SYSTEMS PHILIPPINES
LOCATION: WEST JASARAN CAMPUS, PRIVATE CREDIT
OWNER: UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SYSTEMS PHILIPPINES

RECOMMENDING APPROVAL: **AR. FERDINAND A. TORRES**
PROFESSIONAL ARCHITECT
REGISTERED ARCHITECT NO. 10170
DATE: 01-12-2021

APPROVED BY: **DR. AMOROSO B. CULTURA II**
REGISTERED CIVIL ENGINEER NO. 1217

SCALE CONTENTS:
FOUNDATION LAYOUT
FOOTING SCHEDULE AND DETAILS
DRAWN BY: **HEL DEOP**
CHECKED BY: **JOY DRAMIN**
DATE: 01.01.2021

S2